INSTALLER: THESE INSTRUCTIONS MUST BE CONVEYED TO AND REMAIN WITH THE HOMEOWNER.

CDV36TR CERTIFIED UNDER CANADIAN AND AMERICAN NATIONAL STANDARDS, CSA 2.33, AND ANSI Z21.88 RESPECTIVELY FOR GAS FIRED SPACE HEATING APPLIANCES.
BCDV36TR CERTIFIED UNDER CANADIAN AND AMERICAN NATIONAL STANDARDS, CSA 2.22, AND ANSI Z21.50 RESPECTIVELY FOR VENTED GAS FIREPLACES.

CONTINENTAL
• FIREPLACES •

DIRECT VENT MILLIVOLT SYSTEM

INSTALLATION AND OPERATION INSTRUCTIONS FOR
VENTED GAS FIREPLACE HEATER- CDV36_TR
VENTED GAS FIREPLACE - BCDV36_TR

NATURAL GAS *MODEL* *CDV36NTR & BCDV36NTR*
PROPANE GAS *MODEL* *CDV36PTR & BCDV36PTR*

CERTIFIED FOR CANADA AND UNITED STATES USING ANSI / AGA / CGA METHODS

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Wolf Steel Ltd., RR#1, 9 Napoleon Rd.,
Barrie, ON., Canada L4M 4Y8 (705)721-1212

Fax: **(705)722-6031** ***Email:*** **ask@napoleon.on.ca**
Web: **www.continentalfire.com**

R-2000 HP4 HEARTH PRODUCTS ASSOCIATION ISO 9002 Warnock Hersey C US member gama

W415-0211 / C / 03.20.01

TABLE of CONTENTS

PG 2-4 INTRODUCTION
- Warranty
- General Instructions
- General Information
- Care of Glass & Plated Parts

5 - 15 VENTING
- Venting Lengths
- Air Terminal Locations
- Typical Vent Installations
- Special Vent Installations
- Pre-Installation Preparation

16 - 21 INSTALLATION
- Wall and Ceiling Protection
- Using Flexible Vent Components
- Fireplace Vent Connection
- Using Rigid Vent Components
- Restricting Vertical Vents **- CDV36 only**
- Gas Installation
- Mobile Home Installation
- Framing

PG 21-22 FINISHING
- Door, Louvre & Trim Removal & Installation
- Log Placement
- Charcoal Embers
- Optional Vermiculite
- Glowing Embers

23 OPTIONAL BLOWER INSTALLATION

24 OPTIONAL FAN INSTALLATION
OPTIONAL THERMOSTATIC SENSOR

25 OPERATION / MAINTENANCE
- Operating Instructions
- Maintenance

26 ADJUSTMENTS
- Pilot Burner Adjustment
- Venturi Adjustment

27-28 REPLACEMENTS
- Ordering Replacement Parts
- Replacement Parts
- Vent Kits
- Terminal Kits
- Accessories

29-30 TROUBLE SHOOTING GUIDE

31 SERVICE HISTORY

PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCE

WARNING

- **Do not burn wood or other materials in this fireplace.**
- **Adults and especially children should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition. Supervise young children when they are in the same room as the fireplace.**
- **Due to high temperatures, the fireplace should be located out of traffic and away from furniture and draperies.**
- **Clothing or other flammable material should not be placed on or near the fireplace.**
- **Any safety screen or guard removed for servicing must be replaced prior to operating the fireplace.**
- **It is imperative that the control compartments, burners and circulating blower and its passageway in the fireplace and venting system are kept clean. The fireplace and its venting system should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. The fireplace area must be kept clear and free from combustible materials, gasoline and other flammable vapours and liquids.**
- **Under no circumstances should this fireplace be modified.**
- **This fireplace must not be connected to a chimney flue pipe serving a separate solid fuel burning appliance.**
- **Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.**
- **Do not operate the fireplace with the glass door removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person. Use only with a glass door certified with the fireplace.**
- **Do not strike or slam shut the fireplace glass door.**

NOTE: CHANGES, OTHER THAN EDITORIAL, ARE DENOTED BY A VERTICAL LINE IN THE MARGIN.

CONTINENTAL gas fireplaces are manufactured under the strict Standard of the world recognized ISO9002 Quality Assurance Certificate.

CONTINENTAL products are designed with superior components and materials, assembled by trained craftsmen who take great pride in their work. The burner and valve assembly are leak and test-fired at a quality test station. Once assembled the complete fireplace is thoroughly inspected by a qualified technician before packaging to ensure that you, the customer, receives the quality product that you expect from WOLF STEEL Ltd..

CONTINENTAL GAS FIREPLACE PRESIDENT'S LIFETIME LIMITED WARRANTY

The following materials and workmanship in your new CONTINENTAL gas fireplace are warranted against defects for as long as you own the fireplace. This covers: combustion chamber, heat exchanger, stainless steel burner, phazer™ logs and embers, ceramic glass (thermal breakage only), gold plated parts against tarnishing, porcelainized enamelled components and aluminium extrusion trims.

Electrical (110V and millivolt) components and wearable parts such as blowers, gas valves, thermal switch, switches, wiring, remote controls, igniter, gasketing, and pilot assembly are covered and WOLF STEEL LTD. will provide replacement parts free of charge during the first year of the limited warranty.

Any labour related to warranty repair is not covered.

CONDITIONS AND LIMITATIONS

WOLF STEEL LTD. warrants its products against manufacturing defects to the original purchaser only -- i.e., the individual or legal entity (registered customer) whose name appears on the warranty registration card filed with WOLF STEEL Ltd. -- provided that the purchase was made through an authorized CONTINENTAL dealer and is subject to the following conditions and limitations:

This factory warranty is nontransferable and may not be extended whatsoever by any of our representatives.

The gas fireplace must be installed by a licenced, authorized service technician or contractor. Installation must be done in accordance with the installation instructions included with the product and all local and national building and fire codes.

This limited warranty does not cover damages caused by misuse, lack of maintenance, accident, alterations, abuse or neglect and parts installed from other manufacturers will nullify this warranty.

This limited warranty further does not cover any scratches, dents, corrosion or discolouring caused by excessive heat, abrasive and chemical cleaners nor chipping on porcelain enamel parts, mechanical breakage of PHAZER™ logs and embers, nor any venting components used in the installation of the fireplace.

WOLF STEEL Ltd. warrants its stainless steel burners against defects in workmanship and material for life, subject to the following conditions: During the first 10 years WOLF STEEL Ltd. will replace or repair the defective parts at our option free of charge. From 10 years to life, WOLF STEEL LTD. will provide replacement burners at 50% of the current retail price.

In the first year only, this warranty extends to the repair or replacement of warranted parts which are defective in material or workmanship provided that the product has been operated in accordance with the operation instructions and under normal conditions.

After the first year, with respect to this President's Limited Lifetime Warranty, WOLF STEEL LTD. may, at its discretion, fully discharge all obligations with respect to this warranty by refunding to the original warranted purchaser the wholesale price of any warranted but defective part(s).

WOLF STEEL Ltd. will not be responsible for installation, labour, or any other costs or expenses related to the reinstallation of a warranted part, and such expenses are not covered by this warranty.

Notwithstanding any provisions contained in this President's Limited Lifetime Warranty, WOLF STEEL'S responsibility under this warranty is defined as above and it shall not in any event extend to any incidental, consequential or indirect damages.

This warranty defines the obligations and liability of WOLF STEEL Ltd. with respect to the CONTINENTAL gas fireplace and any other warranties expressed or implied with respect to this product, its components or accessories are excluded.

WOLF STEEL Ltd. neither assumes, nor authorizes any third party to assume, on its behalf, any other liabilities with respect to the sale of this product. WOLF STEEL Ltd. will not be responsible for: over-firing, downdrafts, spillage caused by environmental conditions such as rooftops, buildings, nearby trees, hills, mountains, inadequate vents or ventilation, excessive venting configurations, insufficient makeup air, or negative air pressures which may or may not be caused by mechanical systems such as exhaust fans, furnaces, clothes dryers, etc.

Any damages to fireplace, combustion chamber, heat exchanger, brass trim or other component due to water, weather damage, long periods of dampness, condensation, damaging chemicals or cleaners will not be the responsibility of WOLF STEEL Ltd.

The bill of sale or copy will be required together with a serial number and a model number when making any warranty claims from your authorized dealer. The warranty registration card must be returned within fourteen days to register the warranty.

WOLF STEEL Ltd. reserves the right to have its representative inspect any product or part thereof prior to honouring any warranty claim.

ALL SPECIFICATIONS AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE DUE TO ON-GOING PRODUCT IMPROVEMENTS. NAPOLEON® IS A REGISTERED TRADEMARK OF WOLF STEEL LTD. PATENTS U.S. 5.303.693.801 - CAN. 2.073.411, 2.082.915. © WOLF STEEL LTD.

GENERAL INSTRUCTIONS

THIS GAS FIREPLACE SHOULD BE INSTALLED AND SERVICED BY A QUALIFIED INSTALLER to conform with local codes. In absence of local codes, install the **CDV36 and BCDV36** to the current National Fuel Gas Code, ANSI Z223.1, or the current CAN/CGA B149, Installation Codes. Mobile home installation must conform with local codes or in the absence of local codes, install to the current standard for gas equipped mobile housing CAN/CSA ZA240 MH Series in Canada or the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or the Fire Safety Criteria for Manufactured Home Installations, Sites and Communities Standard ANSI/NFPA 501A in the United States.

The fireplace and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa). The fireplace must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

When the fireplace is installed directly on carpeting, vinyl tile or other combustible material other than wood flooring, the fireplace shall be installed on a metal or wood panel extending the full width and depth.

If the optional fan or blower is installed, the junction box must be electrically connected and grounded in accordance with local codes. In the absence of local codes, use the current CSA C22.1 CANADIAN ELECTRICAL CODE in Canada or the ANSI/NFPA 70-1996 NATIONAL ELECTRICAL CODE in the United States.

GENERAL INFORMATION

FOR YOUR SATISFACTION, THIS FIREPLACE HAS BEEN TEST-FIRED TO ASSURE ITS OPERATION AND QUALITY! Maximum input is 26,000 BTU/hr for natural gas and propane for the CDV36. Maximum input for the BCDV36 is 17,000 BTU/h for natural gas and propane. When the fireplace is installed at elevations above 4,500ft, and in the absence of specific recommendations from the local authority having jurisdiction, the certified high altitude input rating shall be reduced at the rate of 4% for each additional 1,000ft.

Maximum output for natural gas is 22,360 BTU/hr at an efficiency of 86% with the fan on, and 22,880 BTU/hr for propane at an efficiency of 88% with the fan on. The A.F.U.E. (annual fuel utilization efficiency) rating is 64% for natural gas and 65% for propane. These efficiency ratings apply to Model CDV36 only.

Minimum inlet gas supply pressure is 4.5 inches water column for natural gas and 11 inches water column for propane. Maximum inlet gas pressure is 7 inches water column for natural gas and 13 inches water column for propane. Manifold pressure under flow conditions is 3.5 inches water column for natural gas and 10 inches water column for propane.

This fireplace is approved for bathroom, bedroom and bedsitting room installations and is suitable for mobile home installation. The natural gas model can only be installed in a mobile home that is permanently positioned on its site and fueled with natural gas.

No external electricity (110 volts or 24 volts) is required for the gas system operation.

Expansion / contraction noises during heating up and cooling down cycles are normal and are to be expected.

CARE OF GLASS, AND PLATED PARTS

Do not use abrasive cleaners to clean plated parts. Buff lightly with a clean dry cloth. The CDV36 is factory equipped with ceramic glass. The BCDV36 is factory equipped with tempered glass. The glass thickness is 3/16" for both models. Use only replacement glass available from your Continental dealer. DO NOT SUBSTITUTE MATERIALS. Clean the glass after the first 10 hours of operation with a recommended gas fireplace glass cleaner. Thereafter clean as required. DO NOT CLEAN GLASS WHEN HOT! If the glass is not kept clean permanent discolouration and / or blemishes may result.

Use only accessories designed for and listed with your specific fireplace.

Provide adequate ventilation air. Provide adequate accessibility clearance for servicing and operating the fireplace. Never obstruct the front opening of the fireplace.

For safe and proper operation of the fireplace follow the venting instruction exactly.

Deviation from the minimum vertical vent length can create difficulty in burner start-up and/or carboning.

Provide a means for visually checking the vent connection to the fireplace after the fireplace is installed.

The fireplace must be installed against finished walls. Do not install against a vapour barrier or exposed insulation.

Vent lengths that pass through unheated spaces (attics, garages, crawl spaces) should be insulated with the insulation wrapped in a protective sleeve to minimize condensation.

Objects placed in front of the fireplace must be kept a minimum of 48" away from the front face of the unit.

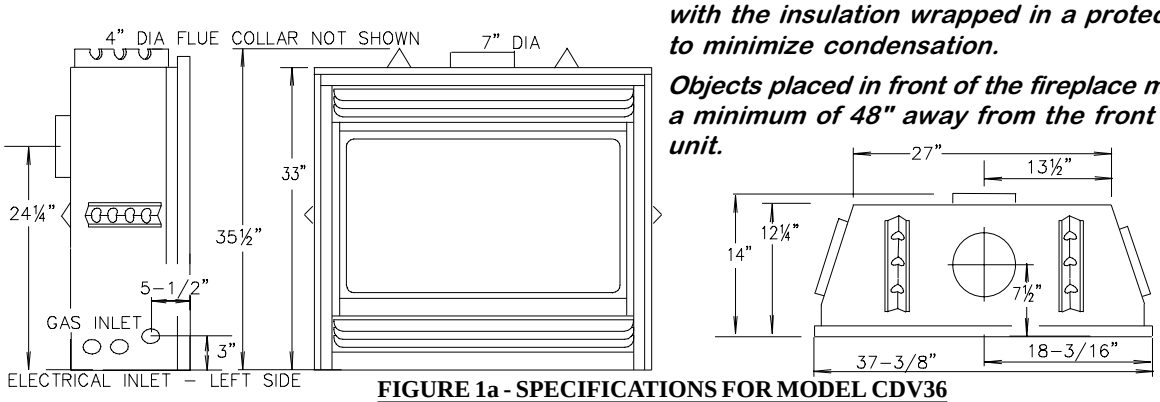
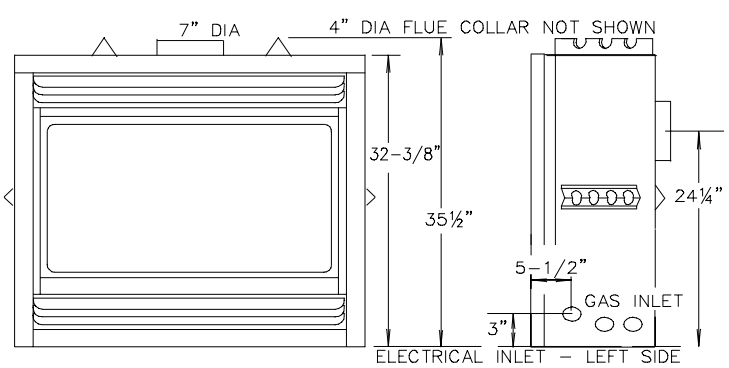


FIGURE 1a - SPECIFICATIONS FOR MODEL CDV36



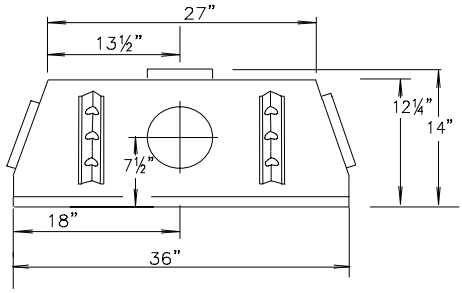


FIGURE 1b - SPECIFICATIONS FOR MODEL BCDV36

VENTING

MODELS CDV36 AND BCDV36 MAY BE VENTED EITHER AS A TOP VENT OR A REAR VENT. REFER TO THE SECTION APPLICABLE TO YOUR INSTALLATION.

VENTING LENGTHS

Use only Wolf Steel or Simpson Dura-Vent Model DV-GS venting components. Minimum and maximum vent lengths, for both horizontal and vertical installations, and air terminal locations for either system are set out in this manual and must be adhered to. For Simpson Dura-Vent, follow the installation procedure provided with the venting components.

When using Wolf Steel venting components, use only approved Wolf Steel rigid / flexible components with the following termination kits: WALL TERMINAL KIT **GD222**, or 1/12 TO 7/12 PITCH ROOF TERMINAL KIT **GD110**, 8/12 TO 12/12 ROOF TERMINAL KIT **GD111**, FLAT ROOF TERMINAL KIT **GD112** or PERISCOPE KIT **GD201** (for wall penetration below grade). With flexible venting, in conjunction with the various terminations, use either the 5 foot vent kit **GD220** or the 10 foot vent kit **GD330**.

Wolf Steel rigid and flexible venting systems must not be combined.

Wolf Steel and Simpson Dura-Vent venting systems must not be combined.

These vent kits allow for either horizontal or vertical venting of the fireplace. **FIGURES 3a, & 5a.** The maximum allowable horizontal run is 20 feet. The maximum allowable vertical vent length is 40 feet. The maximum number of 4" vent connections is two horizontally or three vertically (excluding the fireplace and the air terminal connections) when using aluminum flexible venting.

For optimum flame appearance and fireplace performance, keep the vent length and number of elbows to a minimum.

The air terminal must remain unobstructed at all times. Examine the air terminal at least once a year to verify that it is unobstructed and undamaged.

Purge all gas lines with the glass door of the fireplace open. Assure that a continuous gas flow is at the burner before closing the door.

Under extreme vent configurations, allow several minutes (5-15) for the flame to stabilize after ignition.

Six (6") inches is the minimum bend radius allowed for the 7" diameter flexible liner.

For optimum performance it is recommended that all horizontal runs have a 1 inch rise per foot when using Wolf Steel flexible vent components.

A terminal shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings. Local codes or regulations may require different clearances.

Do not allow the inside liner to bunch up on horizontal or vertical runs and elbows. Keep it pulled tight. A 1¼" air gap all around between the inner liner and outer liner is required for safe operation. Use a firestop when penetrating interior walls, floor or ceiling.

Minimum clearance to combustible construction from fireplace and vent surfaces:

sides, back, bottom and top of the unit	0 inch
recessed depth	14 inches
top, sides and bottom of the vent pipe*	1 inch
top of the vent pipe - **rear vent only***	2 inches

*** REAR VENT -** A clearance to combustibles of 1" at the bottom of the vent and 2" at the top must be maintained during the first 12" of venting when penetrating combustible walls. The firestop spacer (DV-615.044) supplied with the unit should be used to maintain this clearance. Thereafter a 1" clearance to combustibles may be maintained using firestop spacer (GD-500.96).

TOP VENT - Only a clearance to combustibles of 1" all around the vent pipe is required.

REQUIRED RISE ON HORIZONTAL VENTING		BCDV36	CDV36
REAR VENT	RIGID VENTING	0"/FT	1"/FT*
	FLEXIBLE VENTING	0"/FT	1"/FT*
TOP VENT	RIGID VENTING	0"/FT	0"/FT
	FLEXIBLE VENTING	0"/FT	0"/FT
CORNER	RIGID VENTING	0"	6"
	FLEXIBLE VENTING	6"	6"

***** When a vertical rise is used as part of the venting configuration, a 0" rise per foot is acceptable.

AIR TERMINAL INSTALLATIONS:

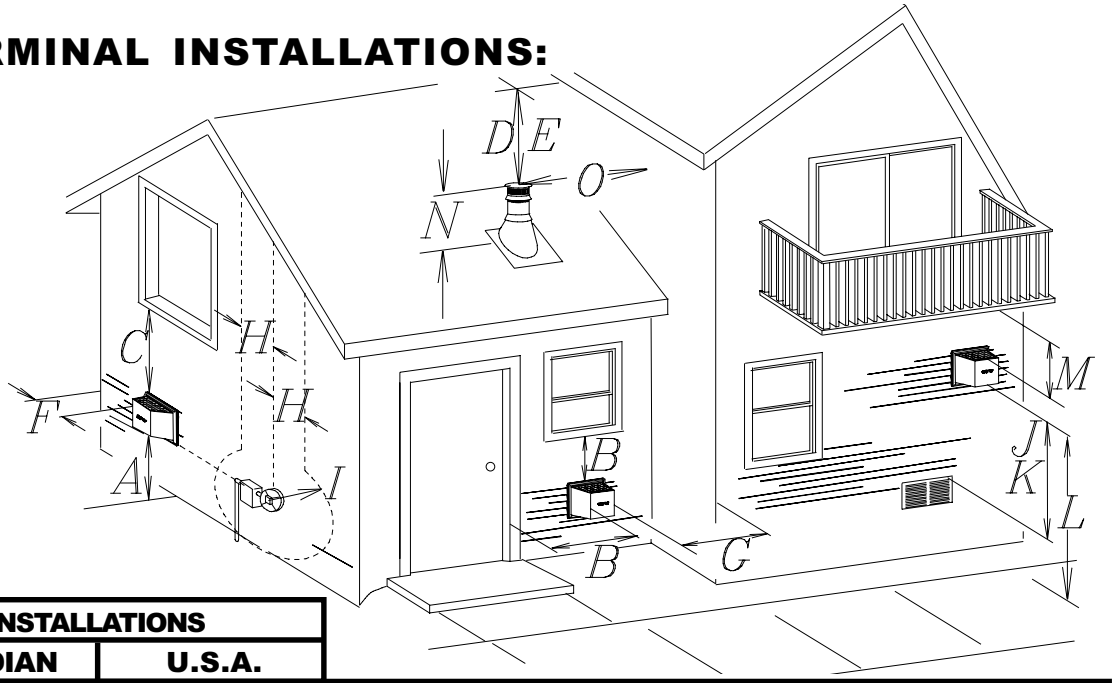


FIGURE 2

	INSTALLATIONS		
	CANADIAN	U.S.A.	
A	12 INCHES	12 INCHES	Clearance above grade, veranda porch, deck or balcony.
B	12 INCHES	9 INCHES	Clearance to windows or doors that open.
C	12 INCHES*	12 INCHES*	Clearance to permanently closed windows.
D	18 INCHES**	18 INCHES**	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet from the centerline of the terminal.
E	12 INCHES**	12 INCHES**	Clearance to unventilated soffit.
F	0 INCHES	0 INCHES	Clearance to an outside corner wall.
G	0 INCHES***	0 INCHES***	Clearance to an inside ***non***-combustible corner wall or protruding ***non***-combustible obstructions (chimney, etc.).
	2 INCHES***	2 INCHES***	Clearance to an inside combustible corner wall or protruding combustible obstructions (vent chase, etc.).
H	3 FEET	3 FEET****	Clearance to each side of the centerline extended above the meter / regulator assembly.
I	6 FEET	3 FEET****	Clearance to a service regulator vent outlet.
J	12 INCHES	9 INCHES	Clearance to a non-mechanical air supply inlet to the building or a combustion air inlet to any other appliance.
K	6 FEET	3 FEET†	Clearance to a mechanical air supply inlet.
L	7 FEET‡	7 FEET****	Clearance above a paved sidewalk or paved driveway located on public property unless fitted with a heat shield kit GD-301.
M	12 INCHES††	12 INCHES****	Clearance under a veranda, porch, deck or balcony.
N	16 INCHES	16 INCHES	Clearance above the roof.
O	2 FEET†*	2 FEET†*	Clearance from an adjacent wall including neighbouring buildings.

* Recommended to prevent condensation on windows and thermal breakage

** It is recommended to use a heat shield and to maximize the distance to vinyl clad soffits.

*** The periscope GD-201 requires a minimum 18 inches clearance from an inside corner.

**** This is a recommended distance. For additional requirements check local codes.

† Three feet above if within 10 feet horizontally.

‡ A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

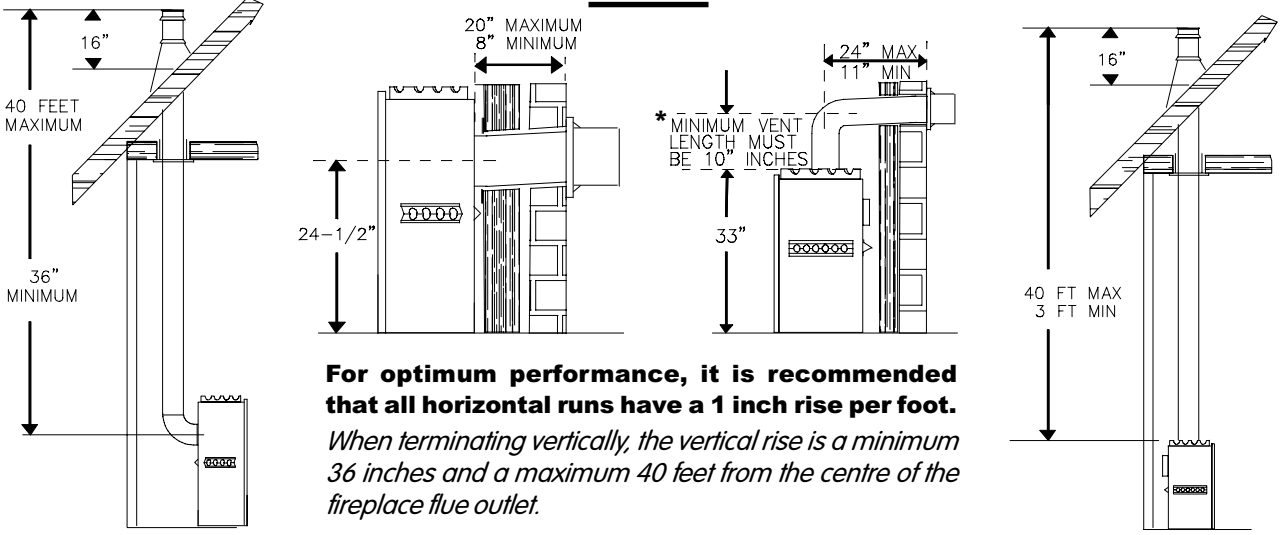
†† Permitted only if the veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

†* Recommenced to prevent recirculation of exhaust products. For additional requirements check local codes.

TYPICAL VENT INSTALLATIONS

REAR EXIT **TOP EXIT**

FIGURES 3



For optimum performance, it is recommended that all horizontal runs have a 1 inch rise per foot.

When terminating vertically, the vertical rise is a minimum 36 inches and a maximum 40 feet from the centre of the fireplace flue outlet.

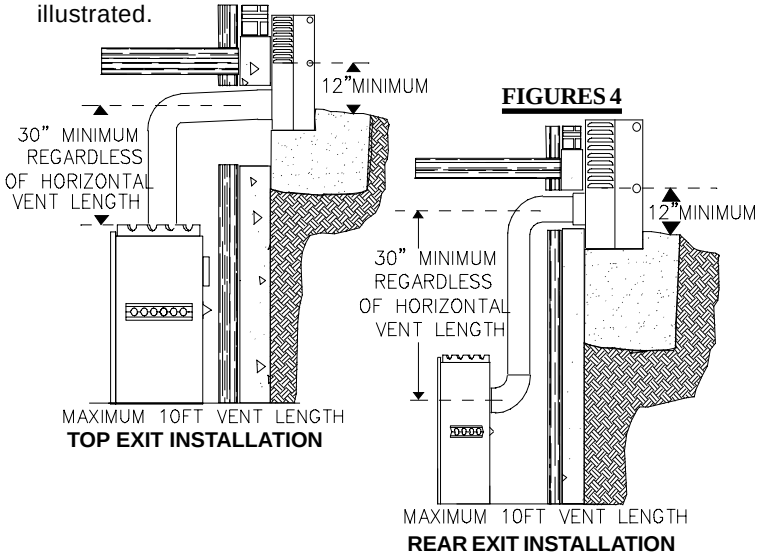
***** When using rigid venting, this minimum vertical length may be reduced to 8½".

SPECIAL VENT INSTALLATIONS

PERISCOPE TERMINATION

Use the GD201 periscope kit to locate the air termination above grade. The periscope must be installed so that when final grading is completed, the bottom air slot is located a minimum of 12 inches above grade. The maximum allowable vent length depends on the model of fireplace, as illustrated.

FIGURES 4


12"MINIMUM
30" MINIMUM REGARDLESS OF HORIZONTAL VENT LENGTH
MAXIMUM 10FT VENT LENGTH
12"MINIMUM
30" MINIMUM REGARDLESS OF HORIZONTAL VENT LENGTH
MAXIMUM 10FT VENT LENGTH

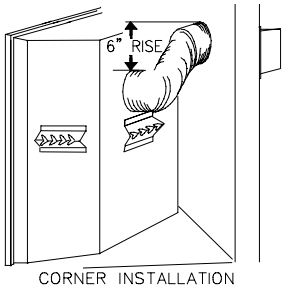
TOP EXIT INSTALLATION

REAR EXIT INSTALLATION

CORNER INSTALLATION

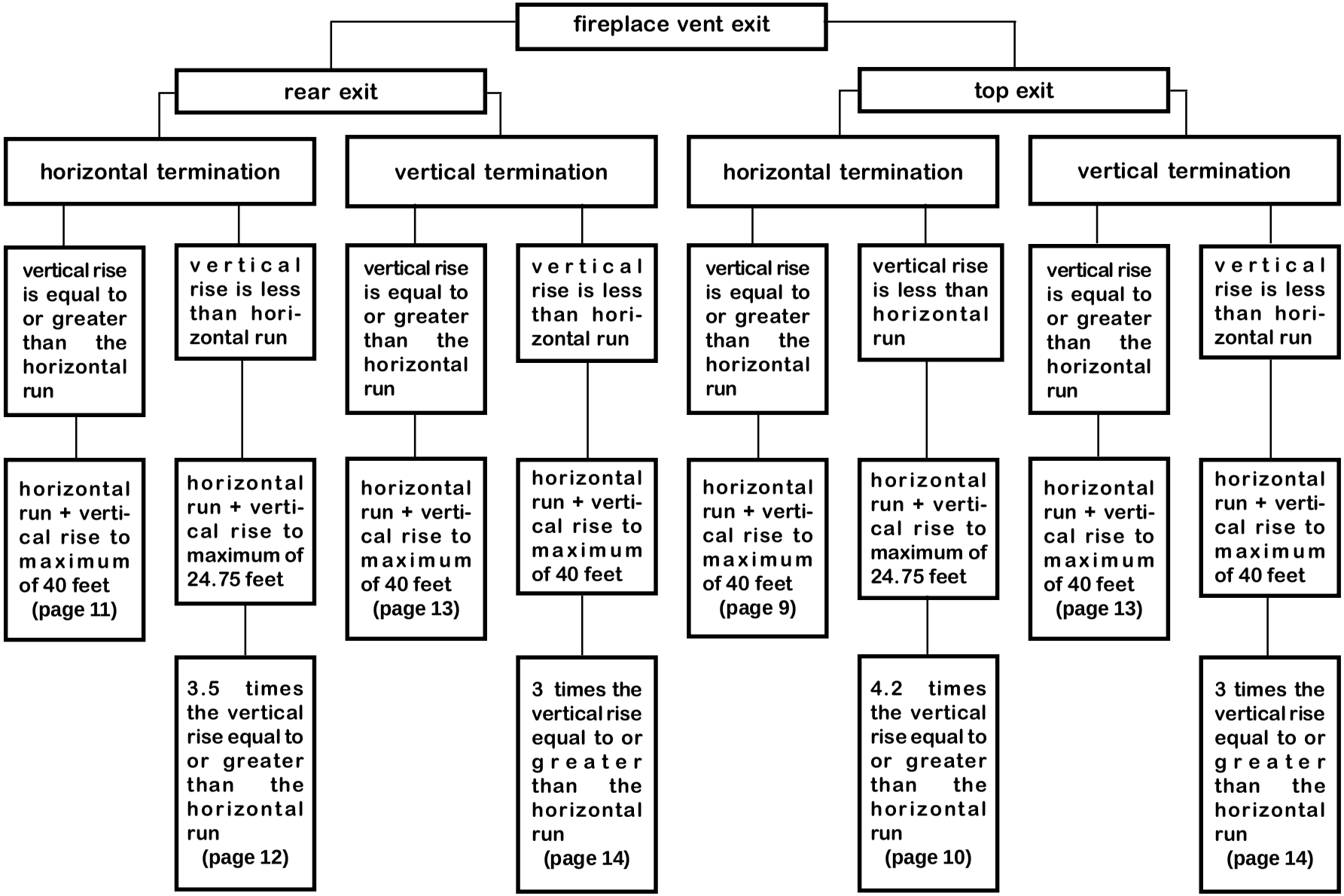
The maximum vent length for a corner installation is 24 inches. All corner installations require a 6 inch rise, except for model BCDV36 when installed with rigid venting. In this case zero inch rise is acceptable.

FIGURE 5



W415-0211 / C / 03.20.01

VENTING APPLICATION FLOW CHART


fireplace vent exit
rear exit
top exit
horizontal termination
vertical termination
horizontal termination
vertical termination
vertical rise is equal to or greater than the horizontal run
vertical rise is less than horizontal run
vertical rise is equal to or greater than the horizontal run
vertical rise is less than horizontal run
vertical rise is equal to or greater than the horizontal run
vertical rise is less than horizontal run
vertical rise is equal to or greater than the horizontal run
vertical rise is less than horizontal run
horizontal run + vertical rise to maximum of 40 feet (page 11)
horizontal run + vertical rise to maximum of 24.75 feet
horizontal run + vertical rise to maximum of 40 feet (page 13)
horizontal run + vertical rise to maximum of 40 feet
horizontal run + vertical rise to maximum of 40 feet (page 9)
horizontal run + vertical rise to maximum of 24.75 feet
horizontal run + vertical rise to maximum of 40 feet (page 13)
horizontal run + vertical rise to maximum of 40 feet
3.5 times the vertical rise equal to or greater than the horizontal run (page 12)
3 times the vertical rise equal to or greater than the horizontal run (page 14)
4.2 times the vertical rise equal to or greater than the horizontal run (page 10)
3 times the vertical rise equal to or greater than the horizontal run (page 14)

DEFINITIONS

for the following symbols used in the venting calculations and examples are:

- **>** - greater than
- **≥** - equal to or greater than
- **<** - less than
- **≤** - equal to or less than
- H_T - total of both horizontal vent lengths (H_R) and offsets (H_O) in feet
- H_R - combined horizontal vent lengths in feet
- H_O - offset factor: .03(total degrees of offset - 90°*) in feet
- V_T - combined vertical vent lengths in feet

ELBOW VENT LENGTH VALUES

	feet	inches
1°	0.03	0.5
15°	0.45	6.0
30°	0.9	11.0
45°	1.35	16.0
90°*	2.7	32.0

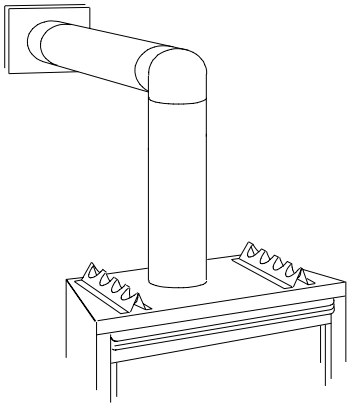
* the first 90° offset has a zero value and is shown in the formula as **-90°**

TOP EXIT / HORIZONTAL TERMINATION

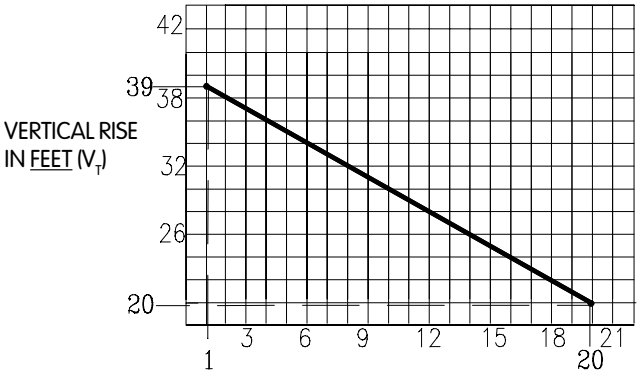
when $(H_T) \leq (V_T)$

Simple venting configuration (only one 90° elbow)

FIGURE 6



See graph to determine the required vertical rise V_T for the required horizontal run H_T.



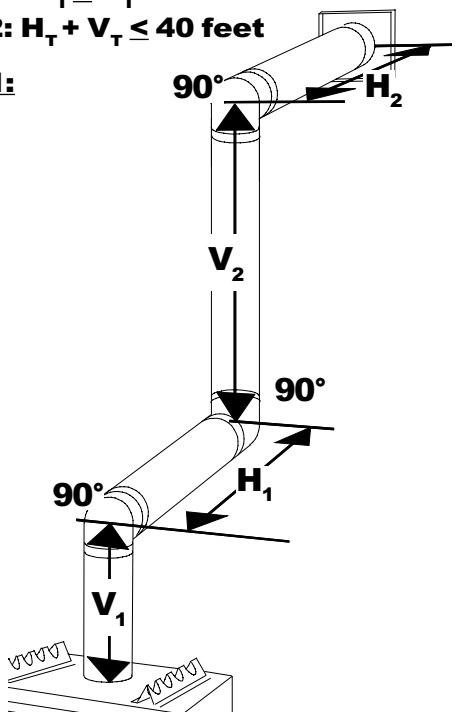
For vent configurations requiring more than one 90° elbow, the following formulas apply:

Formula 1: $H_T \leq V_T$

Formula 2: $H_T + V_T \leq 40$ feet

Example 1:

FIGURE 7



V_1 = 3 ft

V_2 = 8 ft

V_T = $V_1 + V_2$ = 3 + 8 = 11 ft

H_1 = 2.5 ft

H_2 = 2 ft

H_R = $H_1 + H_2$ = 2.5 + 2 = 4.5 ft

H_O = .03(three 90° elbows - 90°) = .03(270° - 90°) = 5.4 ft

H_T = $H_R + H_O$ = 4.5 + 5.4 = 9.9 ft

$H_T + V_T$ = 9.9 + 11 = 20.9 ft

Formula 1: $H_T \leq V_T$

$9.9 \leq 11$

Formula 2: $H_T + V_T \leq 40$ feet

$20.9 \leq 40$

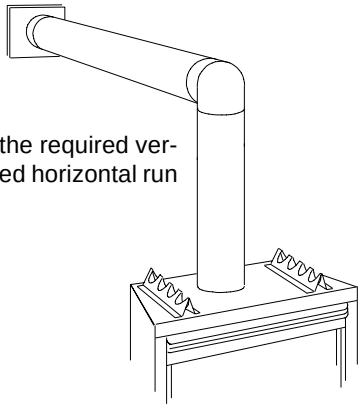
Since both formulas are met, this vent configuration is acceptable.

TOP EXIT / HORIZONTAL TERMINATION

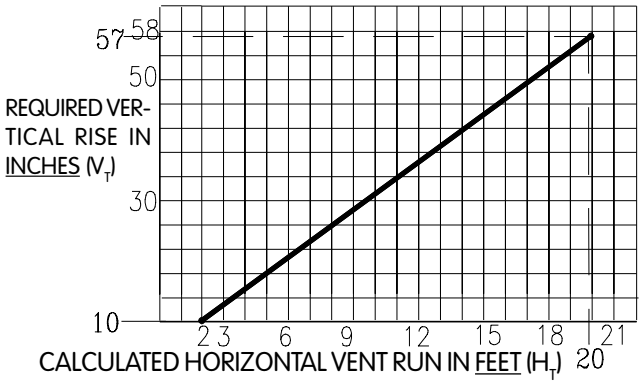
when **(H_t)** > **(V_t)**

Simple venting configuration (only one 90° elbow)

FIGURE 8



See graph to determine the required vertical rise V_T for the required horizontal run H_T.



For vent configurations requiring more than one 90° elbow the following formulas apply:

Formula 1: $H_T \leq 4.2\ V_T$

Formula 2: $H_T + V_T \leq 24.75$ feet

Example 2:

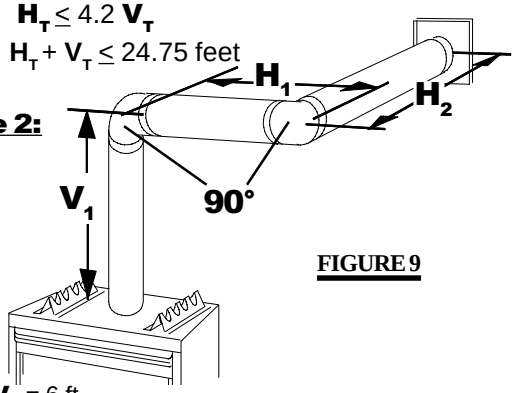


FIGURE 9

V_1 = V_T = 6 ft
H_1 = 3 ft
H_2 = 5 ft
H_R = $H_1 + H_2$ = 3 + 5 = 8 ft
H_O = .03(two 90° elbows - 90°) = .03(180° - 90°) = 2.7 ft
H_T = $H_R + H_O$ = 8 + 2.7 = 10.7 ft
$H_T + V_T$ = 10.7 + 6 =16.7

Formula 1: **$H_T \leq 4.2\ V_T$**

$4.2\ V_T$ = 4.2 x 6 = 25.2 ft

10.7 ≤ 25.2

Formula 2: **$H_T + V_T \leq 24.75$ feet**

16.7 ≤ 24.75

Since both formulas are met, this vent configuration is acceptable.

Example 3:

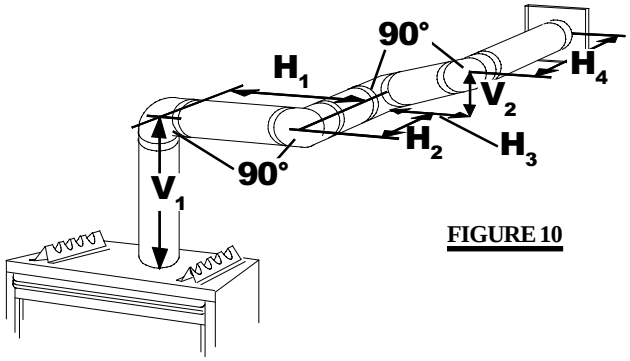


FIGURE 10

V_1 = 4 ft
V_2 = 1.5 ft
V_T = $V_1 + V_2$ = 4 + 1.5 = 5.5 ft
H_1 = 2 ft
H_2 = 1 ft
H_3 = 1 ft
H_4 = 1.5 ft
H_R = $H_1 + H_2 + H_3 + H_4$ = 2 + 1 + 1 + 1. 5 = 5.5 ft
H_O = .03(four 90° elbows - 90°) = .03(360° - 90°) = 8.1 ft
H_T = $H_R + H_O$ = 5.5 + 8.1 = 13.6 ft
$H_T + V_T$ = 13.6 + 5.5 = 19.1 ft

Formula 1: **$H_T \leq 4.2\ V_T$**

$4.2\ V_T$ = 4.2 x 5.5 = 23.1 ft

13.6 ≤ 23.1

Formula 2: **$H_T + V_T \leq 24.75$ feet**

19.1 ≤ 24.75

Since both formulas are met, this vent configuration is acceptable.

REAR EXIT / HORIZONTAL TERMINATION

when $(H_T) \leq (V_T)$

Simple venting configuration (only two 90° elbows)

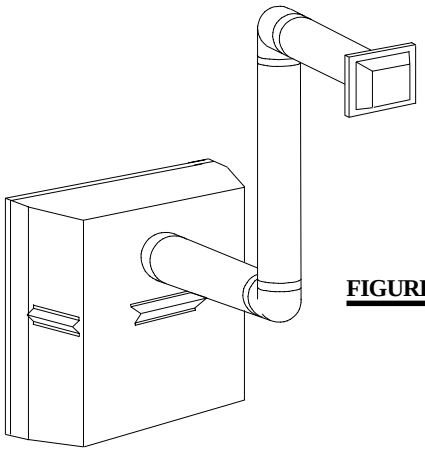
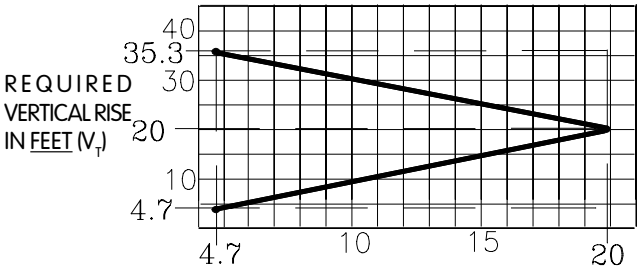


FIGURE 11

See graph to determine the required vertical rise V_T for the required horizontal run H_T



For vent configurations requiring more than two 90° elbows the following formulas apply:

Formula 1: $H_T \leq V_T$

Formula 2: $H_T + V_T \leq 40$ feet

Example 4:

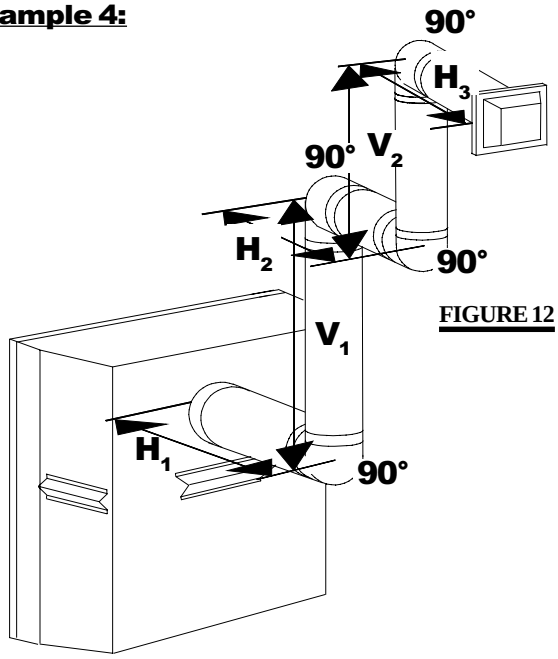


FIGURE 12

V_1 = 9 ft

V_2 = 6 ft

V_T = $V_1 + V_2$ = 9 + 6 = 15 ft

H_1 = 3 ft

H_2 = 2 ft

H_3 = 1.5 ft

H_R = $H_1 + H_2 + H_3$ = 3 + 2 + 1.5 = 6.5 ft

H_o = .03(four 90° elbows - 90°)

= .03(90 + 90 + 90 + 90 - 90) = 8.1 ft

H_T = $H_R + H_o$ = 6.5 + 8.1 = 14.6 ft

$H_T + V_T$ = 14.6 + 15 = 29.6 ft

Formula 1: $H_T \leq V_T$

$14.6 \leq 15$

Formula 2: $H_T + V_T \leq 40$ feet

$29.6 \leq 40$

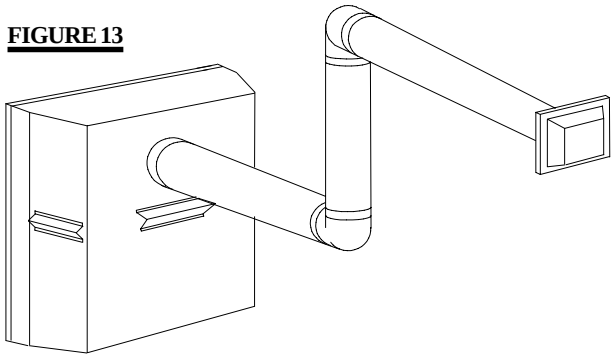
Since both formulas are met, this vent configuration is acceptable.

REAR EXIT / HORIZONTAL TERMINATION

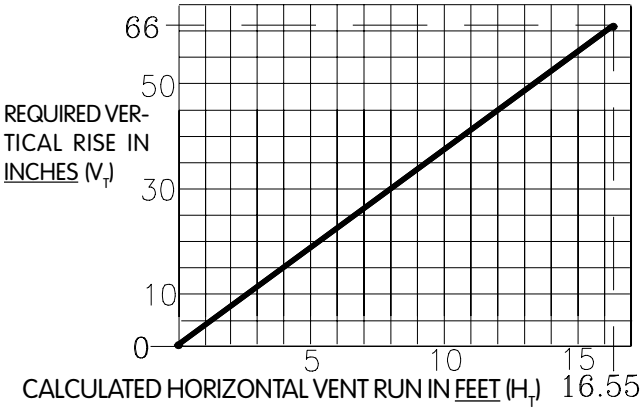
when $(H_T) > (V_T)$

Simple venting configuration (only two 90° elbows)

FIGURE 13



See graph to determine the required vertical rise V_T for the required horizontal run H_T



For vent configurations requiring more than two 90° elbows the following formulas apply:

Formula 1: $H_T \leq 3.5V_T$

Formula 2: $H_T + V_T \leq 24.75$ feet

Example 5:

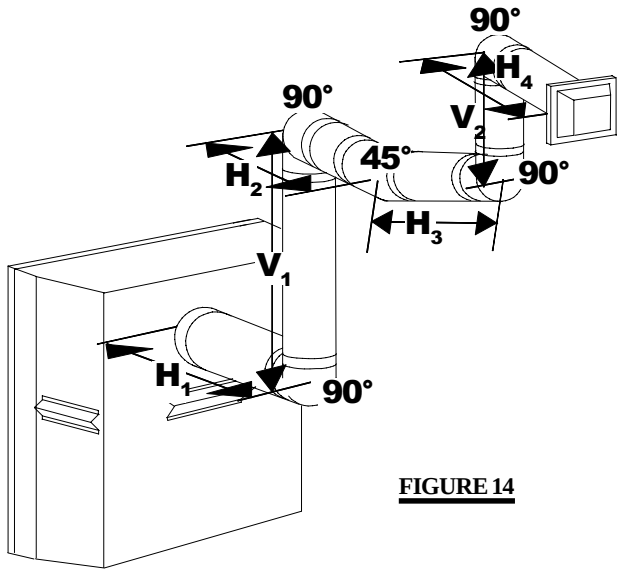


FIGURE 14

V_1 = 4 ft

V_2 = 1.5 ft

V_T = $V_1 + V_2$ = 4 + 1.5 = 5.5 ft

H_1 = 2 ft

H_2 = 1 ft

H_3 = 1 ft

H_4 = 1.5 ft

H_R = $H_1 + H_2 + H_3 + H_4$ = 2 + 1 + 1 + 1.5 = 5.5 ft

H_O = .03(four 90° elbows + one 45° elbow - 90°)

= .03(90 + 90 + 90 + 90 + 45 - 90) = 9.45 ft

H_T = $H_R + H_O$ = 5.5 + 9.45 = 14.95 ft

$H_T + V_T$ = 14.95 + 5.5 = 20.45 ft

Formula 1: $H_T \leq 3.5V_T$

$3.5V_T$ = 3.5 x 5.5 = 19.25 ft

14.95 ≤ 19.25

Formula 2: $H_T + V_T \leq 24.75$ feet

20.45 ≤ 24.75

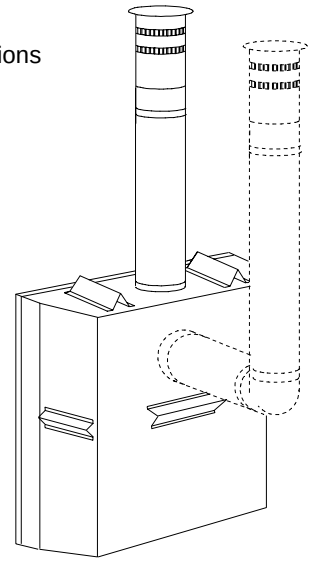
Since both formulas are met, this vent configuration is acceptable.

TOP OR REAR EXIT VERTICAL TERMINATION

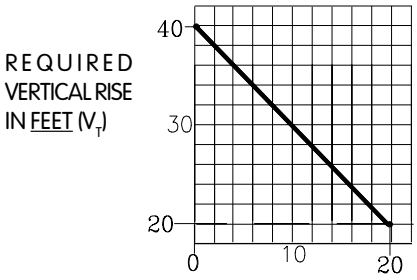
when **(H_t) ≤ (V_t)**

Simple venting configurations

FIGURE 15



See graph to determine the required vertical rise **V_T** for the required horizontal run **H_T**.



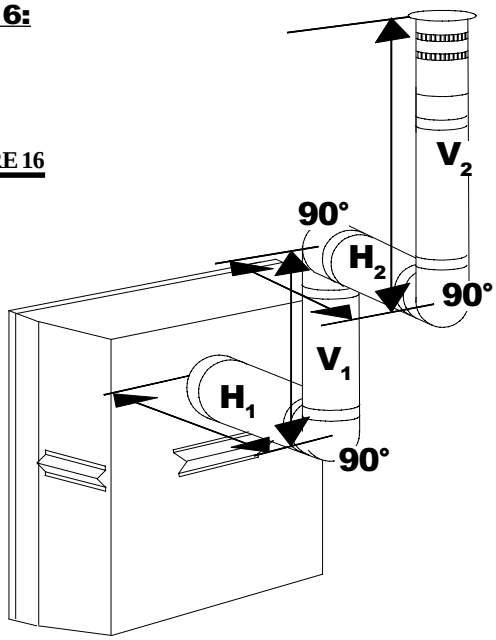
For vent configurations requiring more than zero 90° elbow (top exit) or one 90° elbow (rear exit), the following formulas apply:

Formula 1: $H_T \leq V_T$

Formula 2: $H_T + V_T \leq 40$ feet

Example 6:

FIGURE 16



V_1	= 5 ft
V_2	= 10 ft
V_T	= **V_1** + **V_2** = 5 + 10 = 15 ft
H_1	= 3 ft
H_2	= 2.5 ft
H_R	= **H_1** + **H_2** = 3 + 2.5 = 5.5 ft
H_o	= .03(three 90° elbows - 90°)
	= .03(90 + 90 + 90 - 90) = 5.4 ft
H_T	= **H_R** + **H_o** = 5.5 + 5.4 = 10.9 ft
$H_T + V_T$	= 10.9 + 15 = 25.9 ft

Formula 1: **$H_T \leq V_T$**
10.9 ≤ 15

Formula 2: **$H_T + V_T \leq 40$ feet**
25.9 ≤ 40

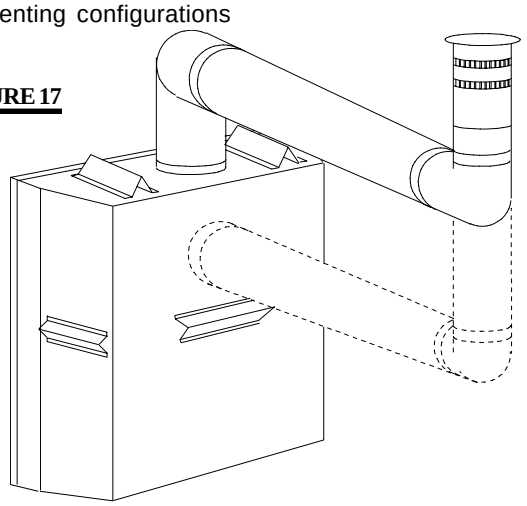
Since both formulas are met, this vent configuration is acceptable.

TOP OR REAR EXIT VERTICAL TERMINATION

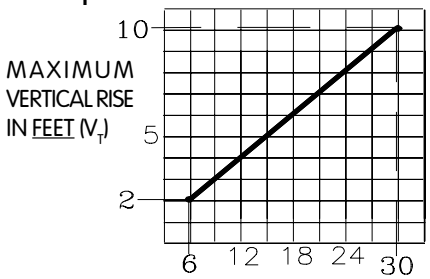
when **(H_t) > (V_t)**

Simple venting configurations

FIGURE 17



See graph to determine the required vertical rise **V_T** for the required horizontal run **H_T**.



For vent configurations requiring more than two 90° elbow (top exit) or one 90° elbow (rear exit), the following formulas apply:

Formula 1: $H_T \leq 3V_T$

Formula 2: $H_T + V_T \leq 40$ feet

Example 7:

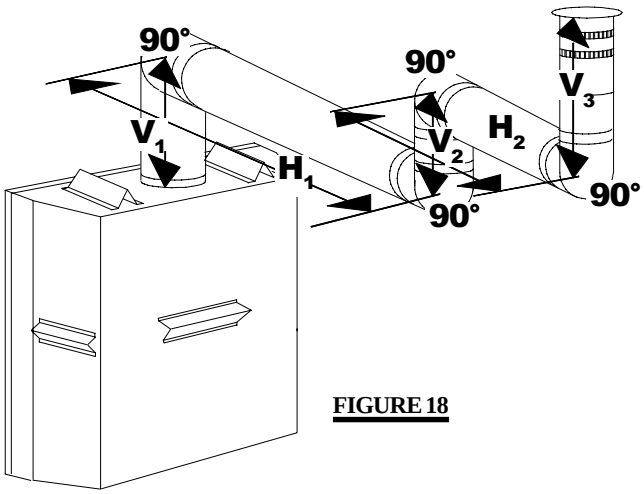


FIGURE 18

V_1 = 2 ft

V_2 = 1 ft

V_3 = 1.5 ft

V_T = **V_1** + **V_2** + **V_3** = 2 + 1 + 1.5 = 4.5 ft

H_1 = 6 ft

H_2 = 2 ft

H_R = **H_1** + **H_2** = 6 + 2 = 8 ft

H_O = .03(four 90° elbows - 90°)

= .03(90 + 90 + 90 + 90 - 90) = 8.1 ft

H_T = **H_R** + **H_O** = 8 + 8.1 = 16.1 ft

$H_T + V_T$ = 16.1 + 4.5 = 20.6 ft

Formula 1: **$H_T \leq 3V_T$**

$3V_T$ = 3 x 4.5 = 13.5 ft

16.1 > 13.5

Since this formula is not met, this vent configuration is **unacceptable**.

Formula 2: **$H_T + V_T \leq 40$ feet**

20.6 ≤ 40

Since only formula 2 is met, this vent configuration is unacceptable and a new fireplace location or vent configuration will need to be established to satisfy both formulas.

Example 8:

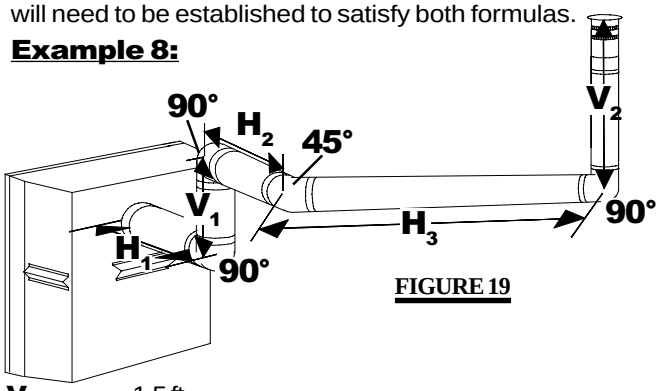


FIGURE 19

V_1 = 1.5 ft

V_2 = 5 ft

V_T = **V_1** + **V_2** = 1.5 + 5 = 6.5 ft

H_1 = 1 ft

H_2 = 1 ft

H_3 = 10.75 ft

H_R = **H_1** + **H_2** + **H_3** = 1 + 1 + 10.75 = 12.75 ft

H_O = .03(three 90° elbows + one 45° elbow - 90°)

= .03(90 + 90 + 90 + 45 - 90) = 6.75 ft

H_T = **H_R** + **H_O** = 12.75 + 6.75 = 19.5 ft

$H_T + V_T$ = 19.5 + 6.5 = 26 ft

Formula 1: **$H_T \leq 3V_T$**

$3V_T$ = 3 x 6.5 = 19.5 ft

19.5 = 19.5

Formula 2: **$H_T + V_T \leq 40$ feet**

26 ≤ 40

Since both formulas are met, this vent configuration is acceptable.

PRE-INSTALLATION PREPARATION

FAILURE TO INSTALL THE CAP WILL CAUSE THE FIREPLACE TO FUNCTION IMPROPERLY AND CAN CAUSE INJURY OR PROPERTY DAMAGE. SEE TOP EXIT PREPARATION FOR DETAILS.
For optimum performance, it is recommended that all horizontal runs have a 1 inch rise per foot.

REAR EXIT:

Remove the baffle from the back of the firebox (Model CDV36 only) by removing the four screws. **FIGURE 20.**

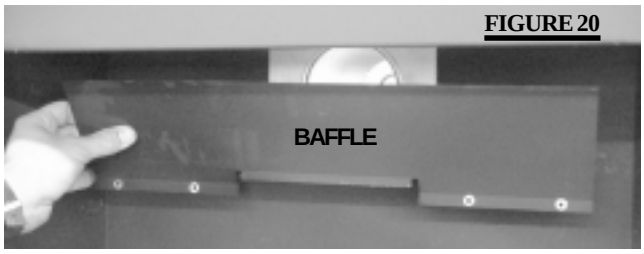


FIGURE 20

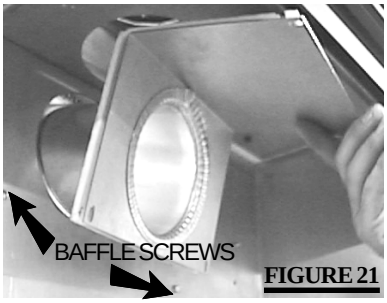


FIGURE 21

From inside the firebox, insert the 4" flue pipe assembly (provided) through the rear of the firebox. Secure the assembly to the rear and top of the unit using 4 #10-24 x ½ inch screws supplied.

Do not overtighten. The gasket needs only to be snug against the firebox. **FIGURE 21.**

Before attaching elbows to the collars on the back of the fireplace, 1½" will need to be trimmed off the 4" collar.

MODEL CDV36 ONLY: Re-attach the baffle to the back of the firebox using the four screws. **FIGURE 20.**

TOP EXIT:

Remove the baffle from the back of the firebox (Model CDV36 only) by removing the four screws. **FIGURE 20.**

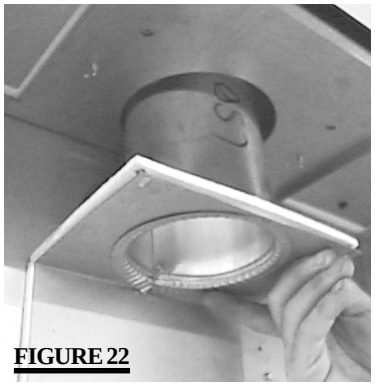


FIGURE 22

1. Remove the 7 inch diameter cap from the top of the fireplace and re-secure it over the 7" collar located at the rear of the unit. Press firmly on the cap while securing to ensure an airtight seal. *Do not damage the gasket.*

2. Remove the plate covering the 4" diameter flue opening (seen inside the top of the 7" diameter collar) and discard. *Try not to disturb the retaining ring or the gasket beneath.* Re-secure the ring and gasket using the screws removed from the plate.

3. From inside the firebox, insert the 4" flue pipe assembly through the heat shield and out through the retaining ring. Secure the assembly to the rear and top of the unit using 4 #10-24 x ½ inch screws supplied. *Do not overtighten.* The gasket needs only to be snug against the firebox. **FIGURE 22.**

MODEL CDV36 ONLY: Re-attach the baffle to the back of the firebox using the four screws. **FIGURE 20.**

INSTALLATION

WALL AND CEILING PROTECTION

FOR SAFE AND PROPER OPERATION OF THE FIREPLACE, FOLLOW THE VENTING INSTRUCTIONS EXACTLY.

NOTE: <u>REAR EXIT</u> - A clearance to combustibles of 1" at the bottom of the vent and 2" at the top must be maintained during the first 12" of venting when penetrating combustible walls. The firestop spacer (DV-615.044) supplied with the unit should be used to maintain this clearance. Thereafter a 1" clearance to combustibles may be maintained using firestop spacer (GD-500.96).

<u>TOP EXIT</u> - Only a clearance to combustibles of 1" all around the vent pipe is required.

HORIZONTAL INSTALLATION: This application occurs when venting through an exterior wall. Having determined the air terminal location, cut and frame a hole in an exterior wall with a minimum opening as required. **See Note above.** (As an alternative to framing, a vent pipe shield may be installed, ensuring a 1" clearance to combustibles. *See Figure 24.)*

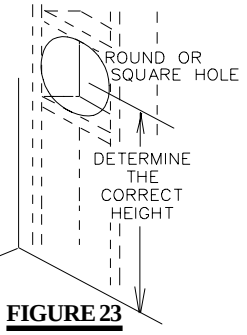


FIGURE 23

1. Mark and cut the vent pipe shield to the determined depth of the combustible wall. Apply a bead of caulking (not supplied) to the framework or to the shield plate (in the case of a finished wall) and secure the shield through the opening to the interior wall. *The final location of the vent pipe shield should maintain the required clearance to the 7" vent pipe / liner. (See note above). Do not fill this cavity with any type of material.* Apply a bead of caulking all around and place a firestop spacer over the vent shield to restrict cold air from being drawn into the room or around the fireplace. Ensure that both spacer and shield maintain the required clearance to combustibles. Once the vent pipe / liner is installed in its final position, apply sealant between the pipe / liner and the firestop spacer.

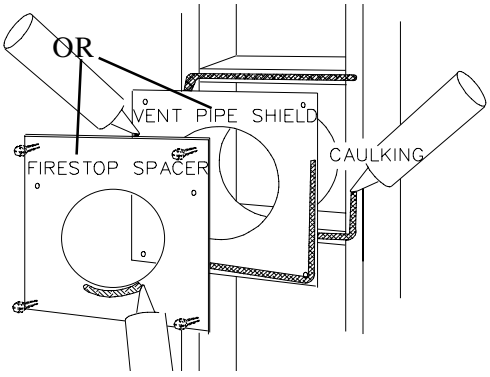


FIGURE 24

VERTICAL INSTALLATION: This application occurs when venting through a roof. Installation kits for various roof pitches are available from your Continental dealer. See Accessories to order the specific kit required.

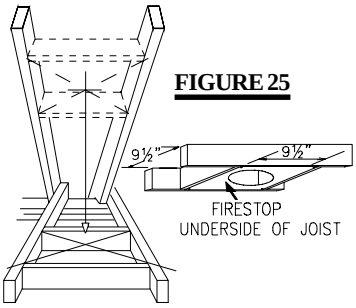


FIGURE 25

1. Determine the air terminal location, cut and frame 9½ inch openings in the ceiling and the roof to provide the minimum 1 inch clearance between the fireplace pipe / liner and any combustible material. Try to center the exhaust pipe location midway between two joist to prevent having to cut them. Use a plumb bob to line up the center of the openings. DO NOT FILL THIS SPACE WITH ANY TYPE OF MATERIAL. A vent pipe shield will prevent any materials such as insulation, from filling up the 1" air space around the pipe. Nail headers between the joist for extra support.

2. Apply a bead of caulking (not supplied) to the framework or to the Wolf Steel vent pipe shield plate or equivalent (in the case of a finished ceiling), and secure over the opening in the ceiling. **FIGURE 26.** A firestop must be placed on the bottom of each framed opening in a roof or ceiling that the venting system passes through. Apply a bead of caulking all around and place a firestop spacer over the vent shield to restrict cold air from being drawn into the room or around the fireplace. Ensure that both spacer and shield maintain the required clearance to combustibles. Once the vent pipe / liner is installed in its final position, apply sealant between the pipe / liner and the firestop spacer.

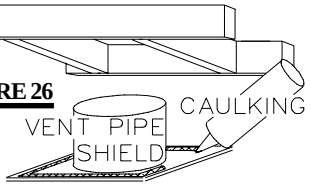


FIGURE 26

USING FLEXIBLE VENT COMPONENTS

Use only approved aluminum flexible liner kits marked:

"Wolf Steel Approved Venting" as identified by the stamp only on the 7" outer liner.

HORIZONTAL AIR TERMINAL INSTALLATION

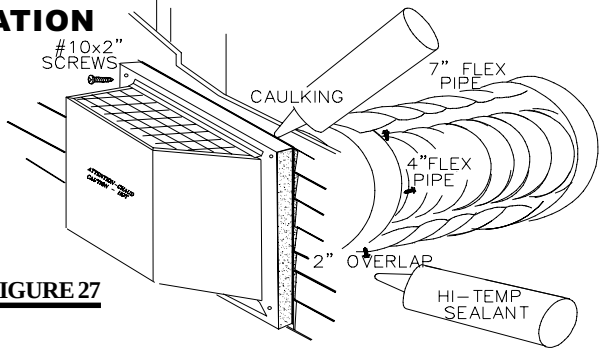


FIGURE 27

1. Stretch the 4" diameter aluminium flexible liner to the required length taking into account the additional length needed for the finished wall surface. Apply a heavy bead of the high temperature sealant, supplied with the unit, to the inside of the 4" liner approximately 1" from the end. Slip the liner a minimum of 2" over the fireplace vent collar and secure with 3 #8 screws.

2. Using the 7" diameter flexible aluminium liner, apply sealant, slide a minimum of 2 " over the fireplace combustion air collar and secure with 3 #8 screws.

3. Insert the liners through the firestop. Position and secure the fireplace using the nailing tabs (2 per side) and/or secure to the floor using screws inserted through the two ¼" diameter holes in the front left and right corners of the base. The liners should be flush with the exterior wall. **The air terminal mounting plate may be recessed into the exterior wall or siding by 1½", the depth of the return flange.**

4. From outside, apply a bead of the high temperature sealant to the inside of both liners, approximately 1" from the end of each liner.

5. Holding the air terminal (lettering in an upright, readable position), insert into both liners with a twisting motion to ensure that both the terminal sleeves engage into the liners / sealant. Secure the terminal to the exterior wall and make weather tight by sealing with caulking (not supplied).

EXTENDED HORIZONTAL AIR TERMINAL INSTALLATION

Use the GD220 vent kit and couplers for this application.

If more than one length of liner needs to be used to reach the fireplace, couple them together as illustrated in **FIGURE 28.** Seal the joints using the same procedure as described in points 2 and 3. The vent system must be supported approximately every 3 feet for both vertical and horizontal runs. Use Wolf Steel support ring assemblies, GA-GD-010.370 or equivalent noncombustible strapping to maintain the minimum 1" clearance to combustibles as well as to prevent sagging.

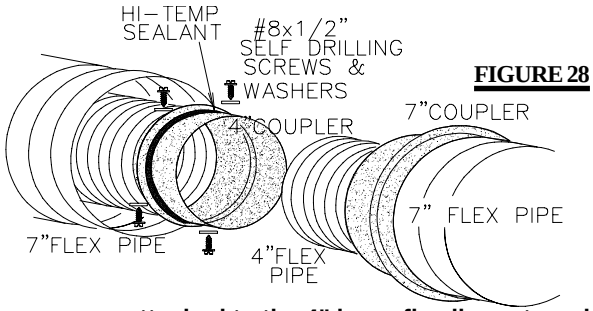


FIGURE 28

Spacers are attached to the 4" inner flex liner at predetermined intervals to maintain a 1-1/4" air gap to the 7" outer liner. These spacers must not be removed.

VERTICAL VENTING INSTALLATION

1. Fasten the roof support to the roof using the screws provided. **FIGURE 29.** The roof support is optional. In this case the venting is to be adequately supported using either an alternate method suitable to the authority having jurisdiction or the optional roof support.

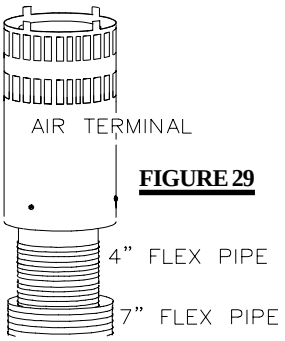


FIGURE 29

2. Stretch the 4" diameter aluminium flexible liner to the required length. Slip the liner a minimum of 2" over the inner sleeve of the air terminal and secure with 3 #8 screws. Seal using a heavy bead of the high temperature sealant.

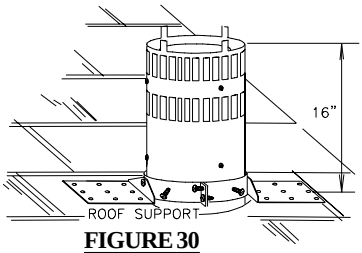


FIGURE 30

3. Repeat using the 7" diameter flexible aluminium liner.

4. Thread the air terminal pipe assembly down through the roof. The air terminal must be located vertically and plumb. Attach the air terminal assembly to the roof support, ensuring that a minimum 16" of air terminal will penetrate the roof when fastened.

DO NOT CLAMP THE FLEXIBLE ALUMINIUM LINER.

5. Remove nails from the shingles, above and to the sides of the chimney. Place the flashing over the air terminal and slide it underneath the sides and upper edge of the shingles. Ensure that the air terminal is properly centered within the flashing, giving a 3/4" margin all around. Fasten to the roof. Do **not** nail through the lower portion of the flashing. Make weather-tight by sealing with caulking. Where possible, cover the sides and top edges of the flashing with roofing material.

6. Apply a heavy bead of weatherproof caulking 2 inches above the flashing. Slide the storm collar around the air terminal and down to the caulking. Tighten to ensure that a weather-tight seal between the air terminal and the collar is achieved. Attach the other storm collar centered between the air intake and the air exhaust slots onto the air terminal. Tighten securely. **FIGURE 31.** Attach the vertical rain cap.

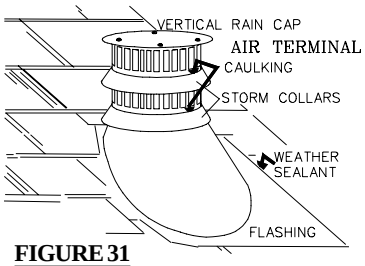


FIGURE 31

Spacers are attached to the 4" inner flex liner at predetermined intervals to maintain a 1¼" air gap to the 7" outer liner. These spacers must not be removed.

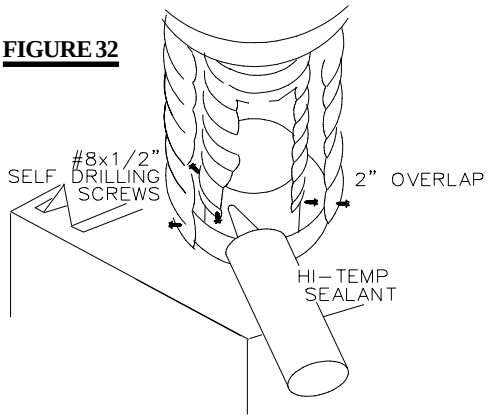
7. If more liner needs to be used to reach the fireplace, follow the same procedure as found in **EXTENDED HORIZONTAL AIR TERMINAL INSTALLATION**. The vent system must be supported approximately every 3 feet for both vertical and horizontal runs. Use Wolf Steel support ring assembly ***W010-0370*** or equivalent noncombustible strapping to maintain a clearance to combustibles.

FIREPLACE VENT CONNECTION

1. Install the 4 inch diameter aluminium flexible liner to the fireplace. Secure with 3 screws and flat washers. Seal the joint and screw holes using the high temperature sealant provided. **FIGURE 32.**

2. Install the 7 inch diameter aluminium flexible liner to the fireplace. Attach and seal the joints.

FIGURE 32



USING RIGID VENT COMPONENTS

The vent system must be supported approximately every 3 feet for both vertical and horizontal runs. Use Wolf Steel vent spacers **W615-0033** or equivalent every 3 feet and either side of each elbow to maintain the minimum 1¼" clearance between the outer and inner vent pipes. Use Wolf Steel support ring assembly ***W010-0370*** or equivalent noncombustible strapping to maintain the minimum clearance to combustibles for both vertical and horizontal runs.

HORIZONTAL AIR TERMINAL INSTALLATION

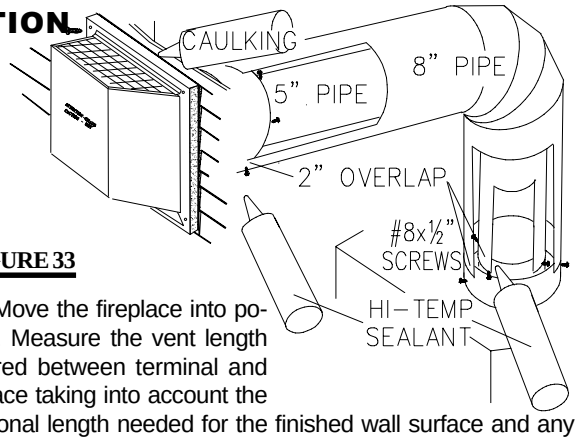


FIGURE 33

1. Move the fireplace into position. Measure the vent length required between terminal and fireplace taking into account the additional length needed for the finished wall surface and any 1¼" overlaps between venting components.

2. Apply high temperature sealant to the outer edge of the 4" inner collar of the fireplace. Attach the first vent component and secure using 3 self tapping screws. Repeat using 7" piping.

3. Holding the air terminal (lettering in an upright, readable position), insert into both vent pipes with a twisting motion to ensure that both the terminal sleeves engage into the vent pipes and sealant. Secure the terminal to the exterior wall and make weather tight by sealing with caulking (not supplied).

The air terminal mounting plate may be recessed into the exterior wall or siding by 1½", the depth of the return flange.

EXTENDED HORIZONTAL AIR TERMINAL INSTALLATION

1. Follow the instructions for "Horizontal Air Terminal Installations", items 1 to 3.

2. Continue adding components alternating inner and outer venting. Ensure that all 4" venting and elbows have sufficient vent spacers attached and each component is securely fastened to the one prior. Attach the 4" telescopic sleeve to the vent run.

Repeat using a 7" telescopic sleeve. Secure and seal as before. To facilitate completion, attach 4" and 7" couplers to the air terminal.

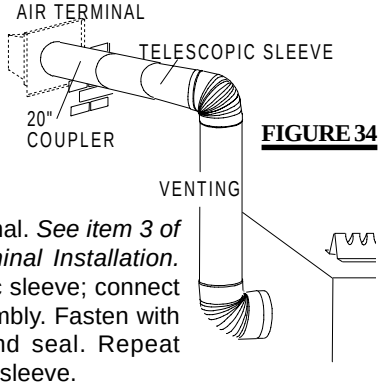


FIGURE 34

3. Install the air terminal. *See item 3 of the Horizontal Air Terminal Installation.* Extend the 4" telescopic sleeve; connect to the air terminal assembly. Fasten with self tapping screws and seal. Repeat using the 7" telescopic sleeve.

VERTICAL VENTING INSTALLATION

Before attaching elbows to the collars on the back of the fireplace, 1½" will need to be trimmed off the 4" collar.

REAR VENT APPLICATION: Attach 4" and 7" elbows to the fireplace. Secure with 3 screws and seal the joints and screw heads using high temperature sealant. Proceed to step 1 below.

TOP VENT APPLICATION:

1. Move the fireplace into position.

2. Fasten the roof support to the roof using the screws provided. **FIGURE 30.** The roof support is optional. In this case the venting is to be adequately supported using either an alternate method suitable to the authority having jurisdiction or the optional roof support.

3. Apply high temperature sealant to the outer edge of the inner sleeve of the air terminal. Slip a 4" diameter coupler a minimum of 2" over the sleeve and secure using 3 screws.

4. Apply high temperature sealant to the outer edge of the of the outside sleeve of the air terminal. Slip a 7" diameter coupler over the sleeve and secure as before. **FIGURE 35**. Trim the 7" coupler even with the 4" coupler end.

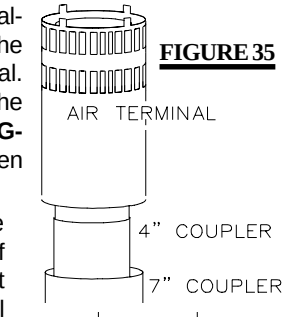


FIGURE 35

5. Thread the air terminal pipe assembly down through the roof support and attach, ensuring that a minimum 16" of air terminal will penetrate the roof when fastened. **FIGURE 30. If the attic space is tight, we recommend threading the Wolf Steel vent pipe collar or equivalent <u>loosely</u> onto the air terminal assembly as it is passed through the attic. FIGURE 36.** The air terminal must be located vertically and plumb.

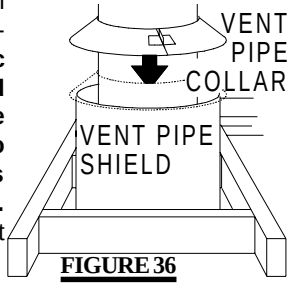


FIGURE 36

6. Remove nails from the shingles, above and to the sides of the chimney. Place the flashing over the air terminal and slide it underneath the sides and upper edge of the shingles. Ensure that the air terminal is properly centered within the flashing, giving a 3/4" margin all around. Fasten to the roof. Do NOT nail through the lower portion of the flashing. Make weather-tight by sealing with caulking. Where possible, cover the sides and top edges of the flashing with roofing material. **FIGURE 31.**

7. Apply a heavy bead of waterproof caulking 2 inches above the flashing. Slide the storm collar around the air terminal and down to the caulking. Tighten to ensure that a weather-tight seal between the air terminal and the collar is achieved. Attach the other storm collar centered between the air intake and air exhaust slots onto the air terminal. Tighten securely. Attach the rain cap.

8. Continue adding rigid venting sections, sealing and securing as above. Attach a 4" collapsed telescopic pipe to the last section of rigid piping. Secure with screws and seal. Repeat using a 7" telescopic pipe.

9. *REAR VENT APPLICATION:* Run a bead of high temperature sealant around the outside of the 4" elbow. Pull the adjustable pipe a minimum 2" onto the elbow. Secure with 3 screws. Repeat with the 7" telescopic pipe.

TOP VENT APPLICATION: Run a bead of high temperature sealant around the outside of the 4" collar on the fireplace. Pull the adjustable pipe a minimum of 2" onto the collar. Secure with 3 screws. Repeat with the 7" telescopic pipe.

10. In the attic, slide the vent pipe collar down to cover up the open end of the shield and tighten. This will prevent any materials, such as insulation, from filling up the 1" air space around the pipe.

RESTRICTING VERTICAL VENTS:

Model CDV36 Vertical Terminal only:

Vertical terminations running longer than 15 feet may display a very active flame. As this appearance is not desirable, the vent exit must be restricted using restrictor plate kit, RP-KT. This reduces the velocity of the exhaust gases, slowing down the flame pattern and creating a more traditional appearance. Specific instructions are included with the kit.

GAS INSTALLATION

Proceed once the vent installation is complete.

1. Move the fireplace into position and secure using the nailing tabs and/or secure to the floor through the ¼"ø holes located at either end of the base.

2. Route a 3/8" N.P.T. black iron gas line, 1/2" type-L copper tubing or equivalent to the fireplace.

3. For ease of accessibility, an optional remote wall switch or millivolt thermostat may be installed in a convenient location. Route a 2-strand (solid core) millivolt wire through the electrical hole located at the bottom left side of the unit. The recommended maximum lead length depends on wire size:

WIRE SIZE	MAX. LENGTH
14 gauge	100 feet
16 gauge	60 feet
18 gauge	40 feet

Attach the two leads to terminals 1 and 3 located on the gas valve.

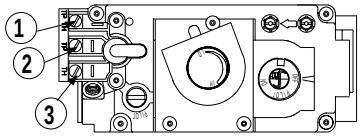


FIGURE 37

4. Install rigid black pipe, 1/2" type-L copper tubing or, if local codes permit, a 3/8" flex connector and shutoff valve to the gas line and the fireplace gas valve.

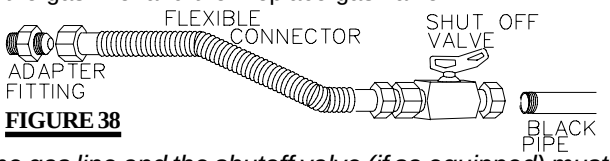


FIGURE 38

The gas line and the shutoff valve (if so equipped) must not interfere with the opening and closing of the door latch.

Seal and tighten securely. An adapter fitting is required between the gas valve and the copper tubing or flex connector.

Do not kink flex connector.

5. Check for gas leaks by brushing on a soap and water solution.

Do not use open flame.

Do not connect either the wall switch, thermostat or gas valve to electricity (110 volts).

Purge all gas lines with the glass door of the fireplace open. Assure that a continuous gas flow is at the burner before closing the door.

MOBILE HOME INSTALLATION

In Canada, mobile home installation may be vented horizontally or vertically. In the United States, it may only be installed vertically. See "Vertical Venting" or "Horizontal Air Terminal Installation" for installation.

The fireplace is equipped with two 1/4" diameter holes located in the front left and right corners of the base. For mobile home installations, the fireplace must be fastened in place. Use #10 hex head screws, inserted through the holes in the base to secure. It is recommended that the fireplace be secured in all installations.

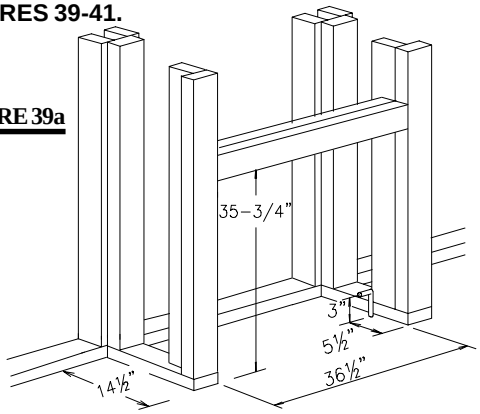
Always turn off the pilot and the fuel supply at the source, prior to moving the mobile home.

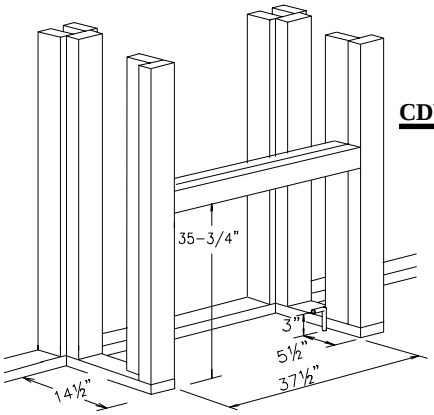
After moving the mobile home and prior to lighting the fireplace, ensure that the logs are positioned correctly.

FRAMING

It is best to frame your fireplace after it is positioned and the vent system is installed. Use 2x4's and frame to local building codes. **FIGURES 39-41.**

BCDV36 - FIGURE 39a





CDV36 - FIGURE 39b

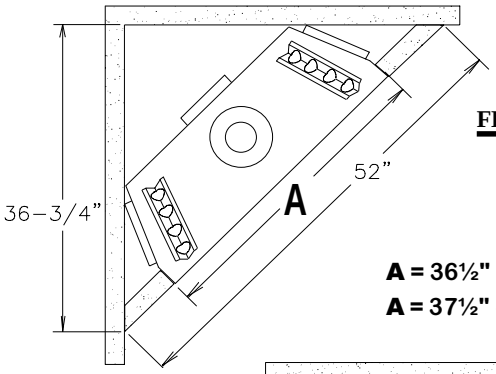
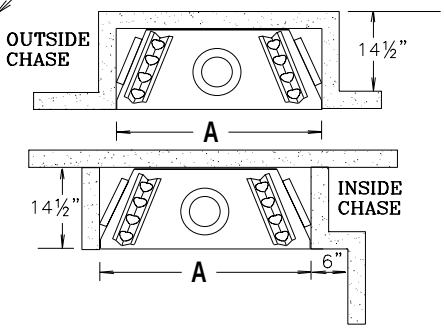


FIGURE 40

A = 36½" (BCDV36)
A = 37½" (CDV36)



FIGURES 41

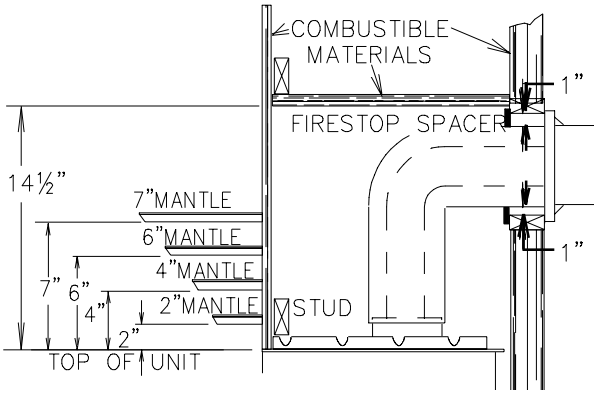
It is not necessary to install a hearth extension with this fireplace system. Objects placed in front of the fireplace should be kept a minimum of 48" away from the front face.

Combustible materials may be installed flush with the front of the fireplace but must not cover or protrude past any of the black face-areas of the fireplace. Non-combustible material (brick, stone or ceramic tile) may protrude in these areas. To install the fireplace face flush with the finished wall, position the framework to accommodate the thickness of the finished wall. Bend out the four nailing tabs, attached on either side of the fireplace and secure to the 2x4 framing. The tabs will facilitate the installation of either a $^{3}/_{4}$" or a 1" finished wall thickness.

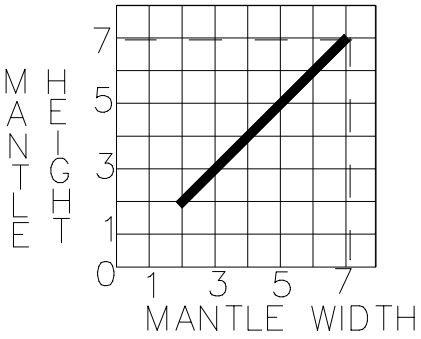
FIGURE 42

The nailing tabs must not be removed.

Combustible mantle clearance can vary according to the mantle depth. **FIGURE 43.** Use the graph to help evaluate the clearance needed. Curtains, above the fireplace, must not be positioned lower than the 2" distance required for the 2" combustible mantle. ***These same requirements apply to any combustibles protruding on either side of the fireplace.***

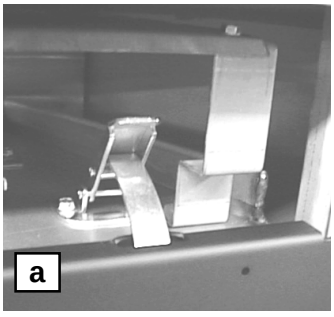


FIGURES 43

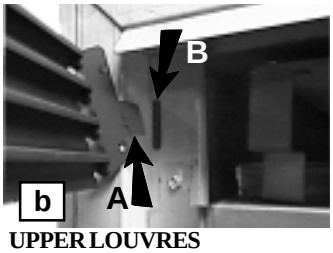


FINISHING

DOOR, AND LOUVRE REMOVAL & INSTALLATION FIGURES 44a-c

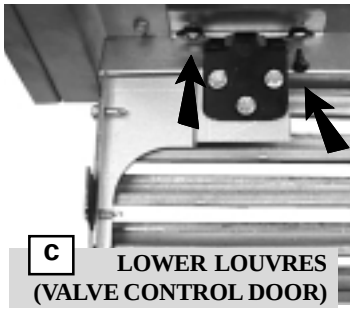


DOOR OPENING AND CLOSING: The upper louvres must be removed to allow the door to be opened or closed. To access the lower door latch, open the valve control door. Release the top and bottom door latches, located at the right side of the door.



UPPER LOUVRES

TO INSTALL THE UPPER LOUVRES: Insert the upper louvres into the slots on both brackets. Press the top flange of the hood into the four clips located along the top of the unit as shown.



LOWER LOUVRES (VALVE CONTROL DOOR)

TO INSTALL THE LOWER LOUVRE ASSEMBLY: Remove and discard the brackets secured to each hinge. Attach each hinge to the firebox with 2 screws.

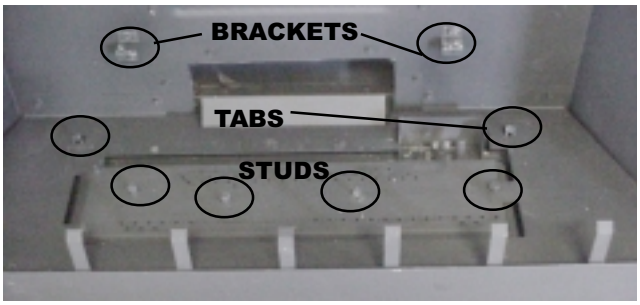
Optional plated door trim, and arched door facia are available at your local Continental dealer.

LOG PLACEMENT

PHAZER™ logs and glowing embers, exclusive to Continental Fireplaces, provide a unique and realistic glowing effect that is different in every installation. Take the time to carefully position the glowing embers for a maximum glowing effect.

Log colours may vary. During the initial use of the fireplace, the colours will become more uniform as colour pigments burn in during the heat activated curing process.

FIGURES 45a-e



1. Place the back log (#1) onto the log support tray and in front of the tabs. The tabs maintain an air space between the log and firebox back to facilitate combustion air flow. Ensure that the back of the log rests against the brackets on the back wall of the firebox.

2. Move the two small logs (#2 & #3) into position, lining up the studs located on the burner with the holes on the bottom of the logs. Place the left crossover log (#4) onto the pin of log #2 and pull the bottom end tight to the grate rail.

3. Place the right crossover log (#5) onto the pins located on the back log (#1) and the small right log (#3).

CHARCOAL EMBERS

Randomly place the charcoal embers along the front and sides of the log support tray in a realistic manner. ***Fine dust found in the bottom of the bag should not be used.***

OPTIONAL VERMICULITE

Sprinkle vermiculite around the charcoal embers.

Note: Both charcoal embers and vermiculite are not to be placed on the burner.

GLOWING EMBERS

Tear the embers into pieces and place along the front row of ports covering all of the burner area in front of the small logs (#2 & #3). Care should be taken to shred the embers into thin, small irregular pieces as only the exposed edges of the fibre hairs will glow. ***The ember material will only glow when exposed to direct flame; however, care should be taken to not block the burner ports.***

Blocked burner ports can cause an incorrect flame pattern, carbon deposits and delayed ignition. ***PHAZER***™ logs glow when exposed to direct flame. Use only certified "glowing embers" and ***PHAZER***™ logs available from your Continental dealer.

OPTIONAL BLOWER INSTALLATION

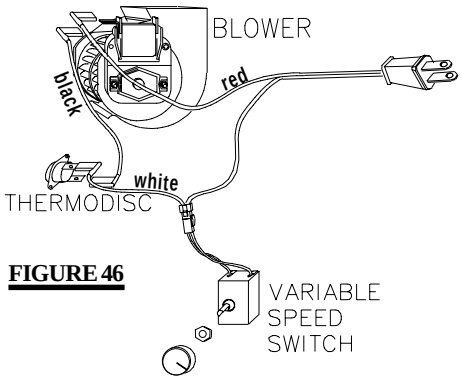


FIGURE 46

INSTALLATION TO BE DONE BY A QUALIFIED INSTALLER and must be electrically connected and grounded in accordance with local codes. In the absence of local codes, use the current CSA C22.1 CANADIAN ELECTRICAL CODE in Canada or the ANSI/NFPA 70-1996 NATIONAL ELECTRICAL CODE in the United States

If the fireplace was not previously equipped with a blower: route a grounded 2-wire, 60hz power cable to the receptacle / junction box. At this point, it must be strain relieved and insulated.

The three slots on the blower mounting bracket allow ease of adjustment when attaching the blower. For a quiet running blower, do not allow the assembly to sit on the firebox base.

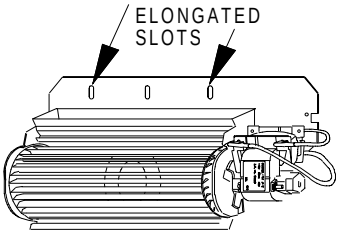


FIGURE 47

Slide the vibration reducing pad **(A)** into the clip **(C)** and up against the threaded stud **(B)** at the other end. The blower must be able to be positioned entirely onto the pad.

To ease installation of the blower, remove the hinge screen and valve control door (lower louvres) from the base of the fireplace.

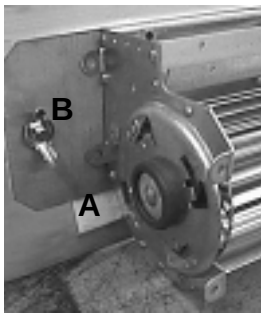


FIGURE 48

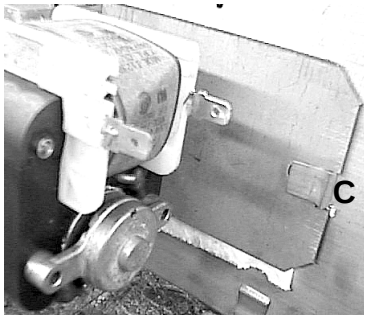


FIGURE 49

Tilt the blower onto its side. Slide it past the controls and into the clip **(C)**. Secure to the threaded stud using the lock washer and wing nut provided. Ensure that the blower does not touch the fireplace base or the firebox.

Attach the connectors from the black and white wires to the thermodisc and secure the thermodisc bracket to the securing stud at the bottom left of the unit using a lock washer and wing nut. Ensure that the thermodisc touches the firebox wall.

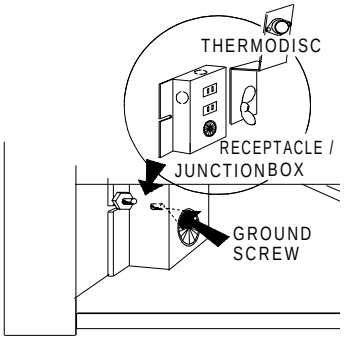


FIGURE 50

Attach the connectors from the black and red wires to the blower.

Attach and secure the variable speed switch using the nut provided. Plug the harness cord into the receptacle.

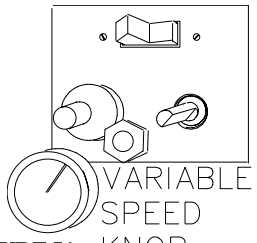


FIGURE 51

The wire harness provided in this kit is a universal harness. When installed, ensure that any excess wire is contained, preventing it from making contact with moving or hot objects.

Because the blower is thermally activated, when turned on, it will automatically start approximately 10 minutes after lighting the fireplace and will run for approximately 30-45 minutes after the fireplace has been turned off. Use of the fan increases the output of heat.

Drywall dust will penetrate into the blower bearings, causing irreparable damage. Care must be taken to prevent drywall dust from coming into contact with the blower or its compartment. Any damage resulting from this condition is not covered by the warranty policy.

OPTIONAL FAN INSTALLATION

ELECTRICAL INSTALLATION TO BE DONE BY A QUALIFIED INSTALLER and must be connected and grounded in accordance with local codes. In the absence of local codes, use the current CSA C22.1 CANADIAN ELECTRICAL CODE in Canada or the ANSI/NFPA 70-1990 NATIONAL ELECTRICAL CODE in the United States.

To safely install the fan, turn off the electricity first.

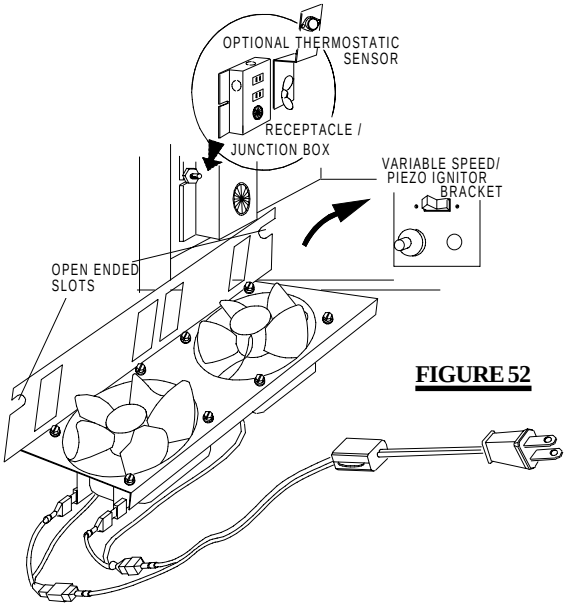


FIGURE 52

If the fireplace was not previously equipped with a fan: route a grounded 2-wire, 60hz power cable to the junction box. At this point, it must be strain relieved and insulated.

The wire harness provided in this kit is a universal harness. When installed, ensure that any excess wire is contained, preventing it from making contact with moving or hot objects.

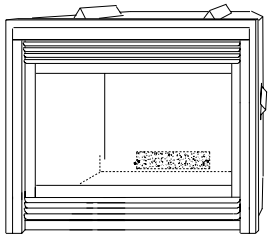


FIGURE 53

To ease installation of the fan, remove the hinge screen and valve control door (lower louvres) from the base of the fireplace.

Position the vibration reducing pad into the clip and onto the threaded stud at the other end, piercing a hole into the pad. The fan assembly must be able to be positioned entirely onto the pad.

Slide the fan assembly past the controls and into the clip. Secure using the lock washer and nut provided.

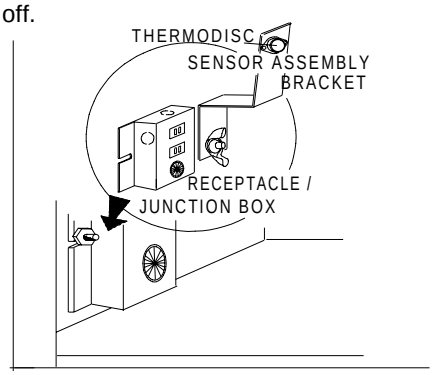
Attach the connectors from the black and white wires to the thermodisc and secure the thermodisc bracket to the securing stud at the bottom left of the unit using a lock washer and wing nut. Ensure that the thermodisc touches the firebox wall.

GD36 THERMOSTATIC SENSOR CONTROL

This optional kit is meant to be used only in conjunction with the GD65 Fan Kit, shown above, which may be ordered from your Wolf Steel / Continental dealer.

With the thermostatic sensor option, the fan, when turned on, becomes thermally activated, and will automatically run approximately 15-30 minutes after the fireplace has been lit and for approximately 30-45 minutes after the fireplace has been turned off.

FIGURE 54



Use of the fan increases the output of heat.

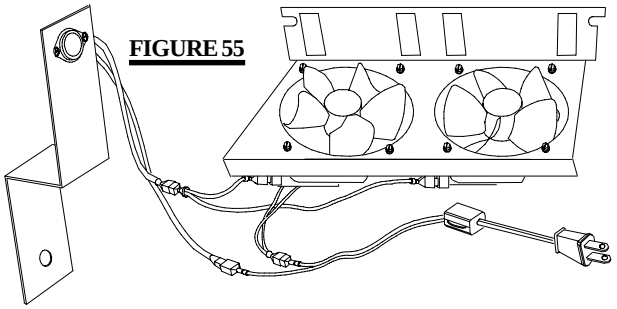
Unplug the power cord from the receptacle. Connect all wires as shown.

Attach and secure the sensor assembly bracket to the securing stud located next to the receptacle/junction box at the bottom left of the unit using the lock washer and wing nut. Ensure that the thermodisc touches the firebox wall.

Plug the power cord back into the receptacle.

When installed, ensure that any excess wire is contained, preventing it from making contact with moving or hot objects.

FIGURE 55



OPERATION / MAINTENANCE

OPERATING INSTRUCTIONS

When lit for the first time, the fireplace will emit a slight odour for a few hours. This is a normal temporary condition caused by the curing of the logs and the "burn-in" of internal paints and lubricants used in the manufacturing process and will not occur again.

After extended periods of non-operation such as following a vacation or a warm weather season, the fireplace may emit a slight odour for a few hours. This is caused by dust particles in the heat exchanger burning off. In both cases, open a window to sufficiently ventilate the room.

Purge the gas line with the glass door open. Assure that a continuous gas flow is at the burner before closing the door.

FOR YOUR SAFETY READ BEFORE LIGHTING:

A. This fireplace is equipped with a pilot which must be lit by hand while following these instructions exactly.

B. Before operating smell all around the fireplace area for gas and next to the floor because some gas is heavier than air and will settle on the floor

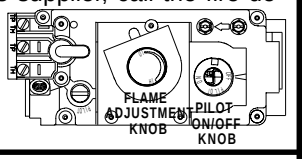
C. Use only your hand to turn the gas control knob. Never use tools. If the knob will not turn by hand, do not try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and replace any part of the control system and any gas control which has been under water.

WHAT TO DO IF YOU SMELL GAS:

- Turn off all gas to the fireplace.
- Open windows.
- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

GAS KNOB



LIGHTING INSTRUCTIONS

WARNING: The gas valve has an interlock device which will not allow the pilot burner to be lit until the thermocouple has cooled. Allow approximately 60 seconds for the thermocouple to cool.

When lighting and re-lighting, the gas knob cannot be turned from pilot to off unless the knob is **depressed slightly.**

1. Stop! Read the above safety information on this label.

2. Turn off all electric power to the fireplace.

3. Turn the gas knob clockwise ↷ to off.

4. Wait five (5) minutes to clear out any gas. If you smell gas including near the floor. Stop! Follow "B" in the above safety information on this label. If you don't smell gas go the next step.

5. Turn gas knob counter-clockwise ↶ to pilot.

6. Depress slightly and hold gas knob while lighting the pilot with the push button ignitor. Keep knob depressed for one minute, then release. If pilot does not continue to burn, repeat steps 3 through 5.

7. With pilot lit, depress and turn gas knob counter-clockwise ↶ to on.

8. If equipped with remote on-off switch/thermostat, main burner may not come on when you turn valve to on. Remote switch must be in the on position to ignite burner.

9. Turn on all electric power to the fireplace.

TO TURN OFF GAS

1. Turn off all electric power to the fireplace if service is to be performed.

2. Push in gas control knob slightly and turn clockwise ↷ to off. Do not force.

MAINTENANCE *Turn off the gas and electrical power before servicing the fireplace.*

CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing. This fireplace and its venting system should be inspected before use and at least annually by a qualified service person. The fireplace area must be kept clear and free of combustible materials, gasoline or other flammable vapours and liquids. The flow of combustion and ventilation air must not be obstructed.

1. In order to properly clean the burner and pilot assembly, remove the logs to expose both assemblies.

2. Keep the control compartment, logs, burner, air shutter opening and the area surrounding the logs clean by vacuuming or brushing, *at least once a year*.

3. Check to see that all burner ports are burning. Clean out any of the ports which may not be burning or are not burning properly.

4. Check to see that the pilot flame is large enough to engulf the thermocouple and thermopile and reaches toward the burner with the third jet.

5. Replace the cleaned logs.

6. Check to see that the main burner ignites completely on all openings when the gas knob for the burner is turned on. A 5 to 10 second total light-up period is satisfactory. If ignition takes longer, consult your Continental dealer / distributor.

7. Check that the gasketing on the sides, top and bottom of the door is not broken or missing. Replace if necessary.

ADJUSTMENTS

PILOT BURNER ADJUSTMENT

Adjust the pilot screw to provide properly sized flame. Turn in a clockwise direction to reduce the gas flow.

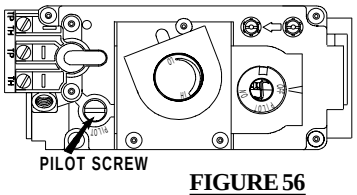
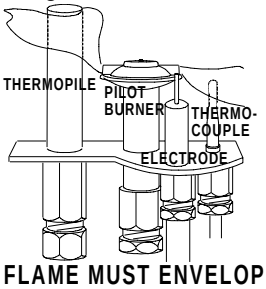


FIGURE 56



FLAME MUST ENVELOP UPPER 3/8" TO 1/2" OF THERMOCOUPLE & THERMOPILE

FIGURE 57

VENTURI ADJUSTMENT

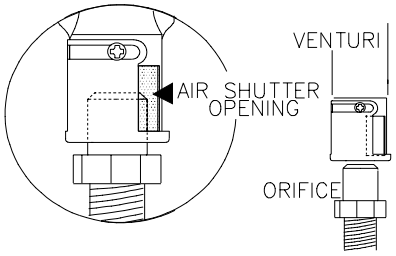
Both fireplace models have air shutters that have been factory set open according to the chart below:

	MODEL CDV36	MODEL BCDV36
NG	1/16"	1/16"
LP	3/8"	3/8"

These settings are for rear vented (maximum) horizontal termination. Adjustment may be required depending on fuel type, vent configuration and altitude.

Closing the air shutter will cause a more yellow flame, but can lead to carboning. Opening the air shutter will cause a more blue flame, but can cause flame lifting from the burner ports. The flame may not appear yellow immediately; allow 15 to 30 minutes for the final flame colour to be established.

FIGURE 58



Air shutter adjustment must only be done by a qualified installer!

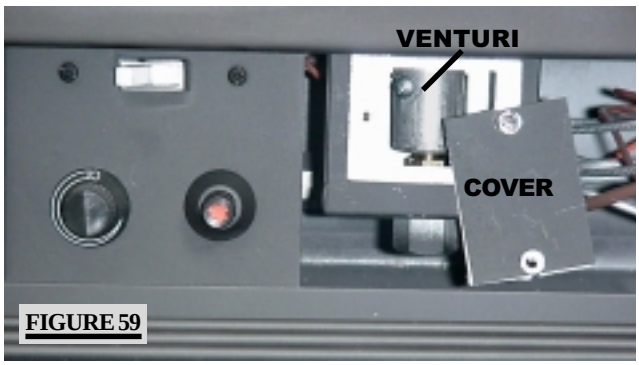


FIGURE 59

To access the air shutter, remove the two screws that secure the cover to the air housing, taking care not to damage the gasket.

MODEL CDV36 ONLY: Remove the three screws that secure the control panel in order to access the air housing.

REPLACEMENTS

ORDERING REPLACEMENT PARTS

Contact your dealer or the factory for questions concerning prices and policies on replacement parts. Normally all parts can be ordered through your Continental dealer or distributor.

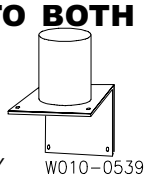
When ordering replacement parts always give the following information:

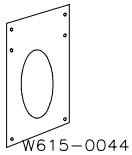
1. Model & Serial Number of fireplace
2. Installation date of fireplace
3. Part Number
4. Description of part
5. Finish
6. Top or rear vent

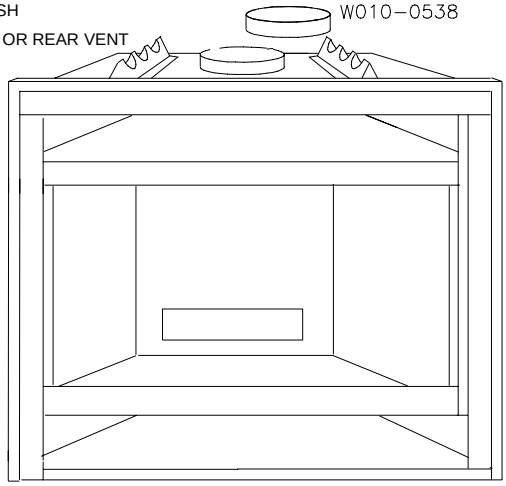
REPLACEMENT PARTS FOR WARRANTY REPLACEMENT PARTS, A PHOTOCOPY OF THE ORIGINAL INVOICE WILL BE REQUIRED TO HONOUR THE CLAIM.

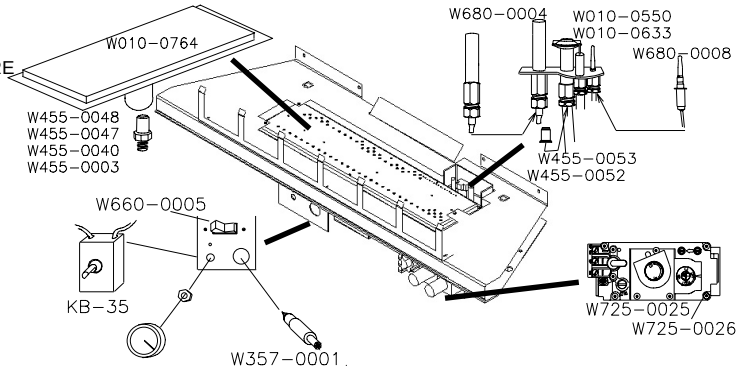
COMPONENTS COMMON TO BOTH UNITS:

PART NO.	DESCRIPTION
W225-0058	BLACK DOOR FRAME
W357-0001	PIEZO IGNITER
W680-0004	THERMOPILE
W680-0008	THERMOCOUPLE
W010-0633	NATURAL GAS PILOT ASSEMBLY
W010-0550	PROPANE GAS PILOT ASSEMBLY
W573-0008	HIGH TEMPERATURE SEALANT
W660-0005	ON/OFF TOGGLE SWITCH
W455-0053	NATURAL GAS PILOT ORIFICE
W455-0052	PROPANE GAS PILOT ORIFICE
W725-0025	NATURAL GAS VALVE
W725-0026	PROPANE GAS VALVE
W385-0131	CONTINENTAL LOGO
GD660	STANDARD WALL SWITCH & 20FT OF WIRE
W010-0538	FLUE CAP c/w GASKET
W010-0539	FLUE PIPE ASSEMBLY c/w GASKET
W010-0764	PAN BURNER
GL-629	LOG SET
W361-0016	GLOWING EMBERS
W550-0001	CHARCOAL EMBERS
W135-0123	BACK LOG (#1)
W135-0124	SMALL LEFT LOG (#2)
W135-0125	SMALL RIGHT LOG (#3)
W135-0126	LEFT CROSSOVER LOG (#4)
W135-0127	RIGHT CROSSOVER LOG (#5)
W010-0454	GLASS c/w GASKET
W010-0514	BLACK DOOR C/W GLASS
W010-0510	LOWER LOUVRE ASSEMBLY
W010-0511	UPPER LOUVRE ASSEMBLY







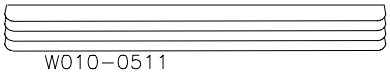


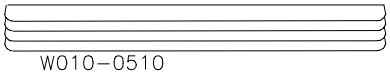
COMPONENTS UNIQUE TO CDV36:

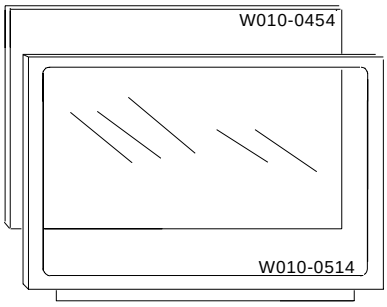
W455-0040	#41 NATURAL GAS ORIFICE
W455-0003	#54 PROPANE GAS ORIFICE

COMPONENTS UNIQUE TO BCDV36:

W455-0048	#47 NATURAL GAS ORIFICE
W455-0047	#56 PROPANE GAS ORIFICE







FLEXIBLE VENT KITS

GD220 (5 FT)

PART NO.	DESCRIPTION
W010-0397	4" FLEXIBLE ALUMINIUM LINER - (5 FT) C/W SPACERS
W410-0017	7" FLEXIBLE ALUMINIUM LINER - (5 FT)

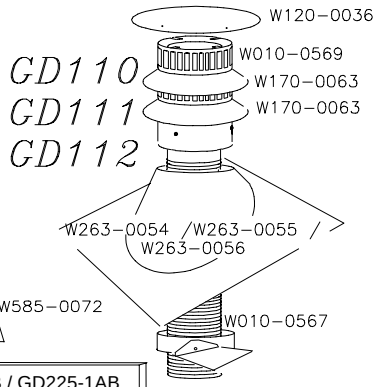
GD330 (10 FT)

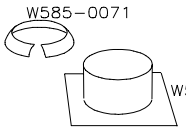
PART NO.	DESCRIPTION
W410-0018	7" FLEXIBLE ALUMINIUM LINER - (10 FT)
W010-0300	4" FLEXIBLE ALUMINIUM LINER - (10 FT) C/W SPACERS
W010-0370	WALL SUPPORT ASSEMBLY

TERMINAL KITS

PERISCOPE - GD201
WALL TERMINAL KIT - GD222
ROOF TERMINAL KITS:
1/12 TO 7/12 PITCH - GD110
8/12 TO 12/12 PITCH - GD111
FLAT ROOF - GD112

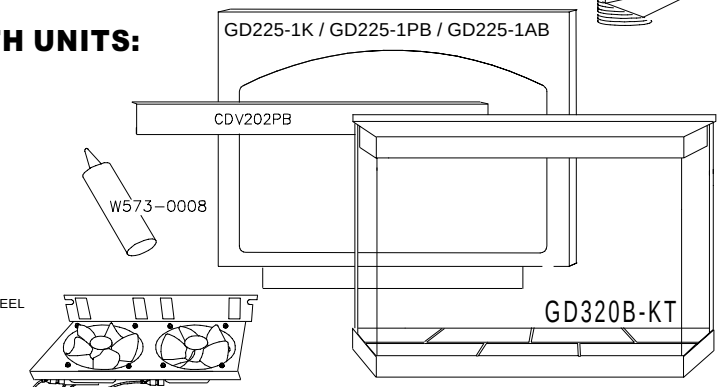
PART NO.	DESCRIPTION
W010-0569	AIR TERMINAL
W120-0036	VERTICAL CAP
W170-0063	STORM COLLAR
W010-0567	ROOF SUPPORT
W263-0054 / W263-0055 / W263-0056	ROOF FLASHING

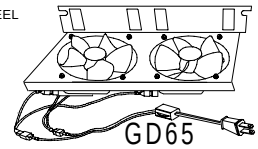


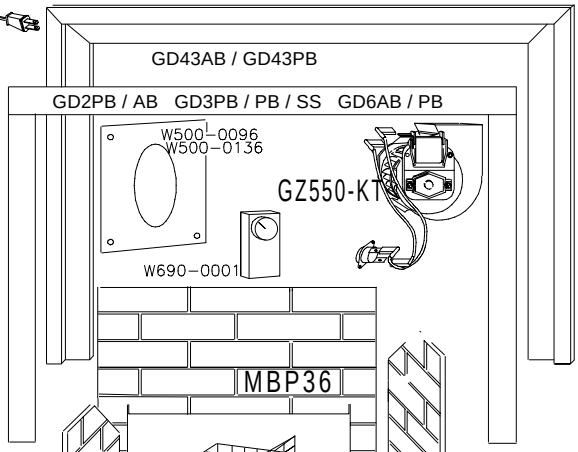


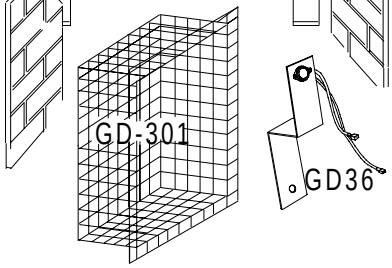
ACCESSORIES COMMON TO BOTH UNITS:

PART NO.	DESCRIPTION
GD2AB	2" TRIM KIT - ANTIQUE BRASS
GD2PB	2" TRIM KIT - POLISHED BRASS
GD3AB	3" TRIM KIT - ANTIQUE BRASS
GD3PB	3" TRIM KIT - POLISHED BRASS
GD3SS	3" TRIM KIT - BRUSHED STAINESS STEEL
GD6AB	6" TRIM KIT - ANTIQUE BRASS
GD6PB	6" TRIM KIT - POLISHED BRASS
GD43-1AB	4" - 3D TRIM KIT - ANTIQUE BRASS
GD43-1PB	4" - 3D TRIM KIT - POLISHED BRASS
GD43-1SS	4" - 3D TRIM KIT - BRUSHED STAINLESS STEEL
CDV202PB	DOOR TRIM - POLISHED BRASS
W175-0001	4" COUPLER
W175-0013	7" COUPLER
W573-0008	HI-TEMPERATURE SEALANT
W690-0001	MILLIVOLT THERMOSTAT
W660-0010	REMOTE CONTROL - ADVANTAGE
W660-0011	REMOTE CONTROL - ADVANTAGE PLUS
W500-0096	FIRESTOP SPACER - FLEXIBLE VENTING
W500-0136	FIRE STOP SPACER - RIGID VENTING
GD36	THERMOSTATIC SENSOR CONTROL KIT FOR USE WITH GD65 ONLY
GD-301	HEAT GUARD
W010-0370	WALL SUPPORT ASSEMBLY
W660-0002	HAND HELD WIRELESS REMOTE SWITCH
W175-0053	DURA-VENT ZERO CLEARANCE ADAPTOR
W361-0016	GLOWING EMBERS
GD-225-1K	DOOR FACIA - BLACK
GD-225-1PB	DOOR FACIA - POLISHED BRASS
GD-225-1AB	DOOR FACIA - ANTIQUE BRASS
GD235-K	WEBBED DOOR FACIA
W585-0071	VENT PIPE COLLAR
W585-0072	VENT PIPE SHIELD
GZ550-KT	BLOWER KIT
GD65	FAN KIT
W361-0014	VERMICULITE
W565-0029	HINGE SCREEN
CDV4L	LOUVRE OVERLAY - POLISHED BRASS
MBP36	METAL BRICK PANELS







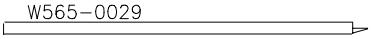


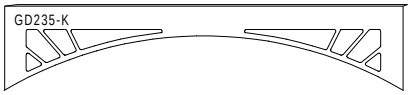
ACCESSORIES UNIQUE TO CDV36:

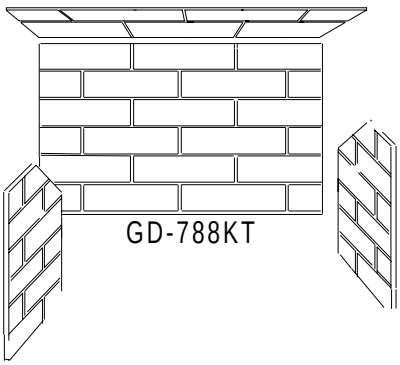
GD320B-KT	BAY WINDOW KIT
GD-788KT	DECORATIVE BRICK PANELS
RP-KT	RESTRICTOR PLATE KIT
W175-0158	CONVERSION KIT - NG TO LP
W175-0163	CONVERSION KIT - LP TO NG

ACCESSORIES UNIQUE TO BCDV36:

W175-0159	CONVERSION KIT - NG TO LP
W175-0164	CONVERSION KIT - LP TO NG

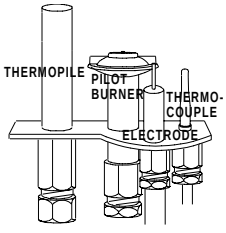






TROUBLE SHOOTING GUIDE

BEFORE ATTEMPTING TO TROUBLESHOOT, PURGE YOUR UNIT AND INITIALLY LIGHT THE PILOT AND THE MAIN BURNER WITH THE GLASS DOOR OPEN.

SYMPTOM	PROBLEM	TEST SOLUTION
Main burner goes out; pilot stays on.	Pilot flame is not large enough or not engulfing the thermopile	- turn up pilot flame. - replace pilot assembly.
	Thermopile shorting	- clean thermopile connection to the valve. Reconnect. - replace thermopile / valve.
	Remote wall switch wire is too long; too much resistance in the system.	- shorten wire to correct length or wire gauge.
	Faulty thermostat or switch.	- replace.
Main burner goes out; pilot goes out.	Refer to "MAIN BURNER GOES OUT; PILOT STAYS ON"	
	Vent is blocked	- check for vent blockage.
	Vent is re-circulating	- check joint seals and installation.
	4" flexible vent has become disconnected from fireplace.	- re-attach to fireplace. - 7"ø cap was not replaced
Pilot goes out when the gas knob is released. **The gas valve has an interlock device which will not allow the pilot burner to be lit until the thermocouple has cooled. Allow approximately 60 seconds for the thermocouple to cool.**	System is not correctly purged.	- purge the gas line.
	Out of propane gas.	- fill the tank.
	Pilot flame is not large enough	- turn up the pilot flame.
	Pilot flame is not engulfing the thermocouple.	- gently twist the pilot head to improve the flame pattern around the thermocouple.
	Thermocouple shorting / faulty.	- loosen and tighten thermocouple. - clean thermocouple and valve connection. - replace thermocouple. - replace valve.
	Faulty valve.	- replace.
Pilot burning; no gas to main burner; gas knob is on 'HI'; wall switch / thermostat is on.	Themostat or switch is defective.	- connect a jumper wire across the wall switch terminals; if main burner lights, replace switch / thermostat.
	Wall switch wiring is defective.	- disconnect the switch wires & connect a jumper wire across terminals 1 & 3; if the main burner lights, check the wires for defects and / or replace wires.
	Main burner orifice is plugged.	- remove stoppage in orifice.
	Faulty valve.	- replace.
Pilot will not light. 	No spark at pilot burner	- check if pilot can be lit by a match - check that the wire is connected to the push button ignitor. - check if the push button ignitor needs tightening. - replace the wire if the wire insulation is broken or frayed. - replace the electrode if the ceramic insulator is cracked or broken. - replace the push button ignitor.
	Out of propane gas	- fill the tank.
	Spark gap is incorrect	- spark gap should be 0.150" to 0.175" (5/32" to 11/64" approx.) from the electrode tip and the pilot burner. To ensure proper electrode
	No gas at the pilot burner	- check that the manual valve is turned on. - check the pilot orifice for blockage. - replace the valve. - call the gas distributor.

SYMPTOM	PROBLEM	TEST SOLUTION
Pilot goes out while standing; Main burner is in 'OFF' position.	Gas piping is undersized.	- turn on all gas appliances and see if pilot flame flutters, diminishes or extinguishes, especially when main burner ignites. Monitor appliance supply working pressure. - check if supply piping size is to code. Correct all undersized piping.
Flames are consistently too large or too small. Carboning occurs.	Unit is over-fired or under-fired.	- check pressure readings: Inlet pressure can be checked by turning screw (A) counter-clockwise 2 or 3 turns and then placing pressure gauge tubing over the test point. Gauge should read 7" (minimum 4.5") water column for natural gas or 13" (11" minimum) water column for propane. Check that main burner is operating on "HI". Outlet pressure can be checked the same as above using screw (B). Gauge should read 3.5" water column for natural gas or 10" water column for propane. Check that main burner is operating on "HI". AFTER TAKING PRESSURE READINGS, BE SURE TO TURN SCREWS CLOCKWISE FIRMLY TO RESEAL. DO NOT OVERTORQUE. Leak test with a soap and water solution.
Flames are very aggressive.	Door is ajar	- lock door latches.
	MODEL CDV36 ONLY:	- Restrict vent exit. See "**RESTICTING VERTICAL VENTS**".
	Aggressive venting action due to vent height.	- VENT HEIGHT MORE THAN 15 FEET: move restrictor plate by using "B" holes.
Main burner flame is a blue, lazy, transparent flame.	Blockage in vent.	- remove blockage. In really cold conditions, ice buildup may occur on the terminal and should be removed as required.
	Incorrect installation.	- refer to Figure 23 to ensure correct location of storm collars.
Carbon is being deposited on glass, logs or combustion chamber surfaces.	Air shutter has become blocked	- ensure air shutter opening is free of lint or other obstructions.
	Flame is impinging on the logs or combustion chamber.	- check that the logs are correctly positioned. - open air shutter to increase the primary air. - check the input rate: check the manifold pressure and orifice size as specified by the rating plate values. - check that the door gasketing is not broken or missing and that the seal is tight. - check that both 4" and 7" vent liners are free of holes and well sealed at all joints. - check that minimum rise per foor has been adhered to for any horizontal venting.
White / grey film forms.	Sulphur from fuel is being deposited on glass, logs or combustion chamber surfaces.	- clean the glass with a recommended gas fireplace glass cleaner. DO NOT CLEAN GLASS WHEN HOT. If deposits are not cleaned off regularly, the glass may become permanently marked.
Exhaust fumes smelled in room, headaches.	Fireplace is spilling.	- ensure exhaust bracket gasket seal - check door seal and relief flap seal. - check for chimney blockage - check that chimney is installed to building code. - room is in negative pressure; increase fresh air supply. - check 7"ø cap gasket on the flue pipe assembly.
Remote wall switch is in "OFF" position; main burner comes on when gas knob is turned to "ON" position.	Wall switch is mounted upside down	- reverse.
	Remote wall switch is grounding.	- replace.
	Remote wall switch wire is grounding.	- check for ground (short); repair ground or replace wire.
	Faulty valve.	- replace.

Wolf Steel Fireplace Service History

This fireplace must be serviced annually depending on usage.

Date	Dealer Name	Service Technician Name	Service Performed	Special Concerns

NOTES: